Environment Canada

Conservation and Protection

Environnement Canada

Conservation et protection

Protection de l'environnement

Environment CANADA Environnement
2022993I VOL 87- ISS 5 870500
EXC # 001
TD 171.5.C3 R43
REGIONAL PROGRAM REPORT (CANADA. EN
VIRONMENTAL PROTECTION SERVICE. PAC
OOFF

ENVIRONMENT CANADA
CONSERVATION AND PROTECTION
ENVIRONMENTAL PROTECTION
PACIFIC AND YUKON REGION

OBLIQUE AERIAL PHOTO INDEX FOR SOUTHERN BRITISH COLUMBIA (1976-1986)

Regional Program Report 87-05

By

W.N. Holman

MAY 1987

ABSTRACT

This index is a compilation of oblique aerial photographs taken by the author of over 700 sites which include a variety of industrial operations, landfill sites, harbours and waterways located in southern British Columbia.

Flights were conducted over a ten year period between 1976 and 1986 to provide information on observable environmental impacts, or to document visual reference material for future environmental investigations.

Information on the type of aircraft and cameras chosen for optimum results, as well as the film and processing is provided.

All the photographs referred to in this report are available for examination at the Environmental Protection office in Vancouver.

Keywords: index, oblique aerial photographs, southern British Columbia, environmental impact, industry, harbours, waterways, rivers, landfill.

RÉSUMÉ

Cet index est une compilation de photographies aériennes obliques prises par l'auteur de plus de 700 sites incluant une variété d'opérations industrielles, de sites d'enfouissement sanitaire, de ports et de voies navigables situés dans la portion sud de la Colombia-Britannique.

Des vols furent menés pendant une période de dix ans entre 1976 et 1986 pour fournir de l'information sur les impacts environnementals observables, ou pour documenter du matériel visuel de référence pour des investigations environnementales futures. De l'information sur le type d'avion, de caméras choisies pour des résultats optimum, de film et de développement est fourni.

Toutes les photographies référées dans ce rapport sont disponibles pour examen visuel au bureau de la Protection de l'Environnment à Vancouver.

Mots-clefs: index, photographies aériennes obliques, portion sud de la Colombie-Britannique, impact environnemental, industries, ports, voies navigables, riviéres, sites d'enfouissement sanitaire.

TABLE OF CONTENTS

		Page
ABSTRACT		i
RÉSUMÉ		ii
TABLE OF CONTENTS		iii
1	INTRODUCTION	1
2	MATERIALS AND METHODS	4
2.1	Aircraft	4
2.2	Cameras and Equipment	4
2.3	Film and Processing	5
3	AIR PHOTO INDEX MAPS	6
3.1	Discussion of Use	6
3.2	Map of Southern British Columbia - Grid Index of Area Maps	8
3.3	List of Maps	
	Map 1. Victoria	9
	Map 2. Barkley Sound	11
	Map 3. Nitinat	14
	Map 4. Lake Cowichan	16
	Map 5. Cowichan Bay/Crofton	18
	Map 6. Port Alberni	22
	Map 7. Qualicum	24
	Map 8. Nanaimo	26
	Map 9. Vancouver	29
	Map 9A. Vancouver	33
	Map 10. New Westminster/Langley	36
	Map 10A. New Westminster/Langley	40
	Map 11. Mission	44
	Map 12. Comox/Courtenay	48

TABLE OF CONTENTS (Continued)

	Page
Map 13. Texada Island	50
Map 14. Sechelt	52
Map 15. Howe Sound	54
Map 16. Campbell River	56
Map 17. Powell River	58
Map 18. Port Alice	60
Map 19. Quadra Island	62
Map 20. Redonda Island	64
Map 21. Quatsino	66
Map 22. Kamloops	68
Map 23. Monte Lake	70
Map 24. Salmon Arm	72
Map 25. Mabel Lake	74
Map 26. Vernon	76
Map 27. Lumby	78
Map 28. Kelowna	80
Map 29. Penticton	82
SELECTED READING	84
ACKNOWLEDGEMENTS	86

1 INTRODUCTION

In 1975 a vertical aerial photographic system called the the Light Aircraft Camera System (L.A.C.S.) was developed by the Environmental Protection Service in Ottawa for use by various EPS regions across Canada.

This system, consisting of two Vinten 70 mm cameras and video navigation/recording equipment, was designed to be installed in commonly available small charter aircraft for use in photographic mapping as and when required. Such a system though, required the use of an aircraft equipped with a hole in the underside of the fuselage. The commonly used and readily available De Havilland Beaver and Otter single engined float or wheel equipped aircraft fulfilled this requirement. Unfortunately charter costs for these aircraft are relatively high placing considerable pressure on our limited budget, as well installation of the equipment was time consuming, further adding to the cost.

Because of the installation and function check out time required, it was often necessary to do this on the day prior to the flight. A change in weather, not uncommon in this region, would often ground the aircraft which, being fully outfitted, could not be deployed by the charterer for other use. This could add a further burden to the cost or at best the equipment would have to be removed and reinstalled later.

With these concerns in mind very careful assessment of the value and importance of the vertical photo-mapping project had to be established before any flight committment could be made.

As an adjunct to the L.A.C.S. system, oblique aerial photographs were taken with a separate hand-held camera in order to provide broad perspective overviews of the areas or sites being vertically mapped. Very often photographs of this type would be taken of sites, in anticipation of future potential use, while flying to or from the specific area of study.

It was recognised that these oblique photographs were of value in their own right, such that dedicated flights were mounted specifically for the acquisition of oblique view photographs of areas under study. Costs were dramatically less than that for conventional vertical aerial photography in as much as smaller more readily available aircraft could be chartered at

reasonable cost and, given the same flying altitude, greater area coverage could be obtained with a single photograph. The camera, being hand-held, required no time consuming installation in the aircraft which meant that mobilization could be effected very rapidly in response to favourable weather conditions or emergencies, as in the case of oil spills.

This photo documentation method enabled investigators to extract a wide variety of information in a much shorter time period than would have been possible with traditional ground based surveys. The initial photo survey missions were, without exception, completed in a few hours.

The limitation was the difficulty with which any precise quantitative information could be extracted from the photograph. There is no doubt that vertical mapping photography would have produced a more precise and useful product but the additional time and cost expended may not have been warranted under certain circumstances. Specific subject matter and survey criteria were in many instances not that stringent with respect to area or linear quantification.

Typical examples of this type of survey were, an inventory of forest products industries along the Fraser River and their encroachment onto the foreshore with wood waste by-products. Landfill and waste disposal sites in the Greater Vancouver area, where there were concerns of leachate runoff into environmentally sensitive areas in the immediate vicinity and an enumeration of small recreational vessel activity in the shellfish growing areas within Desolation Sound.

In some instances, baseline documentation was obtained that later provided information with respect to habitat change or disruption over time; this was of value particularly where there were violations of the Fisheries Act pertaining to disruption of, or encroachment by waste materials to, natural foreshore habitats. Such evidence has on occasion been entered as evidence in the courts where legal action was taken against an offender.

Other areas of study include sites of potential commercial development or in the process of development, mining and mill operations, pulp and paper industries, municipal sewage treatment plants, harbours and estuaries.

As the collection of photographs grew in size over the years it was felt that what had originally been produced for internal use would be of some value to others at a future date. With this realization in mind it was considered appropriate to produce an index, by geographical area, of all site locations photographed during the past ten years. Concurrently, with the index a data base computer file listing containing the same text information was set up to facilitate information access and updating.

2 MATERIALS AND METHODS

2.1 Aircraft

Although a variety of small aircraft including helicopters were used for the photography the majority of flights were carried out using single engine, high wing type aircraft such as the Cessna 172.

The Cessna being a four seater aircraft was the preferred choice as the large starboard side window could be raised permitting an unobstructed view. The four seats allowed the photographer to be positioned in the co-pilots seat in front and an observer/navigator immediately behind, thereby facilitating direct communication either to the pilot or the photographer.

On those occasions when a DeHavilland Beaver aircraft was used for vertical photography, the taking of oblique photographs was more difficult. The only available opening window was a small slide down type on the starboard side co-pilots seat. In addition to its high placement, its small size limited camera swing. Depending upon the subject area and the coverage desired, the flying altitude varied between 800 and 2,000 ft. above ground although the general average was around 1,000 ft above ground level.

Whenever possible cross lighting of the subject was used in order to achieve the best modelling effect of light and shade. On some occasions however, where the subject was so positioned as to be facing away from the sun, results were less satisfactory particularly if haze was present.

2.2 Cameras and Equipment

All of the photographs were taken with a Hasselblad Model 500 CM 6 x 6 cm (2¼ in^2) film format camera. Depending upon subject size, altitude and distance two different focal length lenses were carried, the 80 mm f2.8 Zeiss Planar lens and a 50 mm f4 Zeiss Distagon. The majority of subjects though, were photographed with the 80 mm lens. Two types of interchangeable film magazines were used. Prior to mid 1977 a Hasselblad A-24 (24 exposure) roll film magazine was used and then replaced by a Hasselblad 70 mm film magazine. This enabled the use of films specifically designed for aerial photography as well as providing an increase in film capacity up to 70 exposures.

The camera was further equipped with a Model NC-2 45° angle prism view finder, replacing the standard upright reflex viewing screen. A shutter release pistol grip type handle and rapid winding film advance handle was fitted which improved the camera balance and permitted rapid serial exposures to be made.

A Gossen Lunasix 3 Meter was used for all exposure measurements. Exposure readings were taken at ground or near ground levels rather than at the photo taking altitude in order to counter falsely high readings due to haze reflectance. Bias towards over exposure produced more reliable imagery such that slight changes in brightness of illumination or subject could be ignored.

The highest available shutter speed of 1/500th of a second was selected in order to overcome aircraft vibration and/or speed over the ground movement.

2.3 Film and Processing

Kodak 70 mm Aerocolor, Type 2445 colour negative film was used throughout except for the period 1976 to 1977 when, due to the lack of an appropriate film magazine, Kodak Vericolor II Type S, 220 size film was used. All black and white photography was done with Kodak 70 mm Plus X Aerographic film, Type 2402.

All aerial type films were supplied in 100 ft. rolls from which 15 ft. lengths were cut off and respooled in the darkroom into light tight cassettes by means of a hand spooler.

Film processing, in the case of aerial type films such as Aerocolor Type 2445 and Aerographic Type 2402, was carried out at the processing laboratory of the federal government Department of Energy, Mines and Resources, National Air Photo Library in Ottawa. Kodak Vericolor film needed only to be developed in the standard C-41 colour negative process available at local color processing laboratories.

3 AIR PHOTO INDEX MAPS

3.1 Discussion of Use

The index is composed of three parts; (1) a map of the overall area covered by the index, (2) a series of detailed individual maps from within the general area map, and (3) the descriptive information text and data appropriate to each individual map.

The general area map covering southern British Columbia, being partly covered by a numbered 27 mile square grid system is used to select the appropriate larger scale map. It would be necessary for a searcher to first know the approximate geographic area within which their place of interest falls.

It should be noted that not all of the grid squares necessarily contain recorded photographic information but were included either to complete a grid sequence or to provide for the inclusion of such photography as may be undertaken in the future.

On each of the larger scale (ca 1:200,000) maps, the geographic location of each site photographed is represented by a small (2 mm) black dot. This specific location point may relate to a single subject (e.g. an industrial mill site) or in the case of an overall view of a large area it would be the center point or middle distance in the photograph.

Wherever possible the true heading of the black line leading to the dot indicates the approximate view direction in which the photograph was taken. The exceptions to this occurs where physical crowding of information within some areas made it impractical. The information though, is available in the maps accompanying listing.

The large (6 mm) black dot contains the identifying photo number. Where several photographs were taken of the same subject at the same time this is indicated by the use of two large dots linked by a black line; the two sets of numbers within the dots representing the start and finish of a sequence.

Two or more series of dots joined together i.e. without a link line, represent either single photographs taken out of sequence on the same date, photographs taken on different occasions or where only two photographs were taken in sequence.

The table opposite each map page listing all of the photo numbers identifies the file number under which the negatives are stored, the date of photography, a brief description of the geographic location or subject name and the view heading of the photograph.

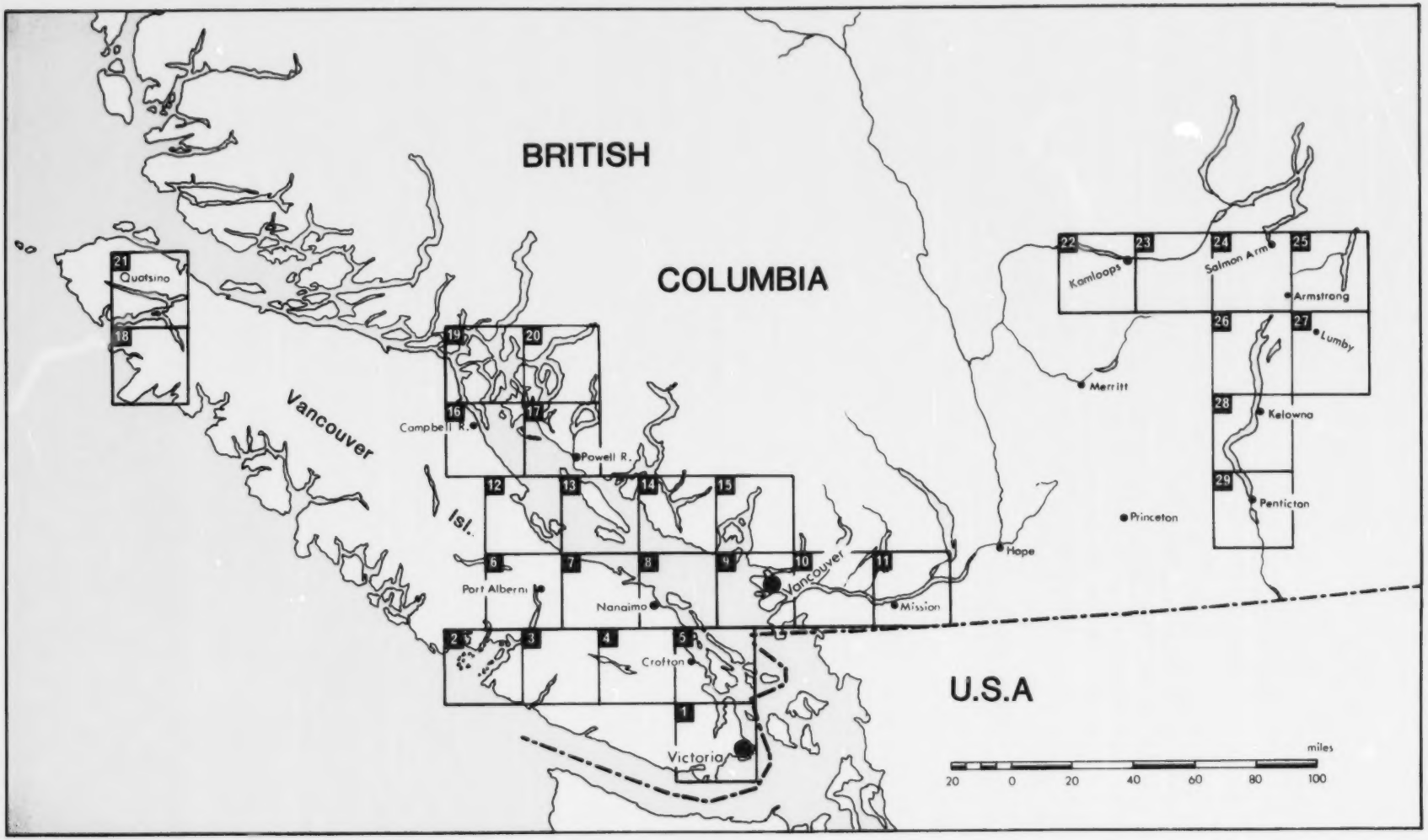
Except where indicated by the suffix "BW" (black and white photo) following the negative file number, all of the photography was done in colour.

All of the negatives and their respective proof prints are stored in numerical order by negative file number at:

Environmental Protection
Conservation and Protection
Environment Canada
4160 Marine Drive
West Vancouver, B.C.
V7V 1N6
Contact: Neil Holman (604) 926-1412 or 666-6711

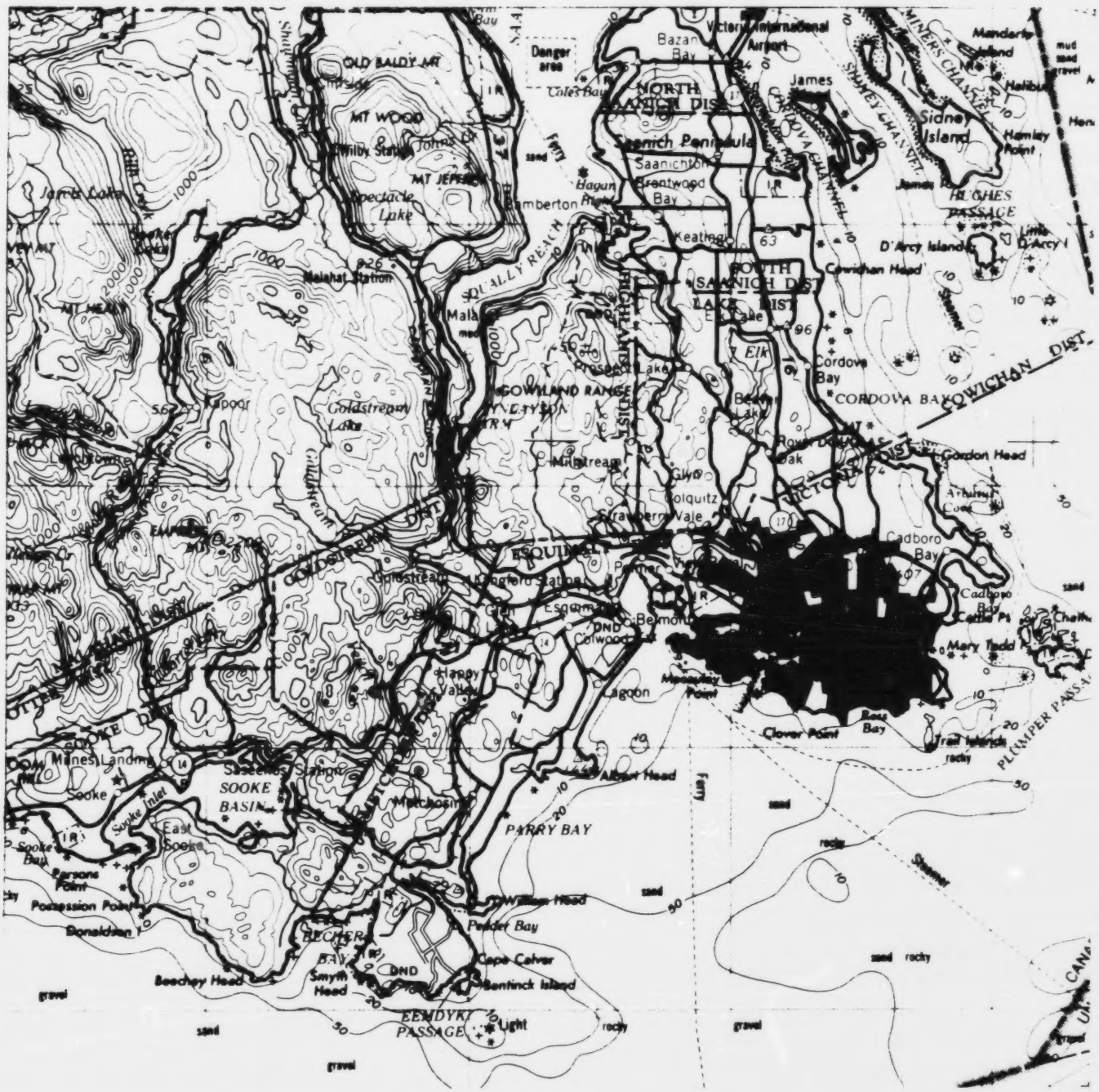
Although it is not the intent of this publication to provide photographs of subjects of user interest, arrangements can be made to view the proof print files from which enlargement copies can be produced on a "user pay" basis.

Further information can be obtained from the above contact person.



MAP OF SOUTHERN BRITISH COLUMBIA

Grid Index of Area Maps


Victoria International Airport
Bazan Bay
James Island
Sidney Island
Mandarte Island
Hamley Point
NORTH SAANICH DIST.
Saanich Peninsula
Saanichton
Brentwood Bay
Tod Inlet
Patricia Bay
Hagan Point
Tsartlip IR
Tsawout IR
Mt Newton
Mt Work
Elk Lake
Beaver Lake
Prospect Lake
Goldstream Lake
Thetis Lake
Mill Hill
Colquitz
Strawberry Vale
Gordon Head
Cadboro Bay
Cordova Bay
Coles Bay
Keating
Saanich
Brentwood Bay

MAP - 1

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.

MAP 2

Barkley Sound

MAP - 2

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	28	05/05/76	BARKLEY SOUND, BROKEN ISLAND GROUP	SE
2	670 *	09/14/84	BARKLEY SOUND, GRAPPLER INLET	NW
3	671 *	09/14/84	BARKLEY SOUND, W. SIDE OF DIANA ISLAND	SW
4	672 *	09/14/84	BARKLEY SOUND, ROQUEFEUIL BAY (S. END)	SE
5	673 *	09/14/84	BARKLEY SOUND, ROQUEFEUIL BAY (N. END)	SE
6	674 *	09/14/84	BARKLEY SOUND, S.E. FLEMING ISLAND	NW
7	675 *	09/14/84	BARKLEY SOUND, N.W. FLEMING ISLAND	W
8	676 *	09/14/84	BARKLEY SOUND, S.W. END OF TZARTUS ISLAND	SE
9	677 *	09/14/84	BARKLEY SOUND, SPROAT BAY ON TZARTUS ISLAND	W
10	678 *	09/14/84	BARKLEY SOUND, SPROAT BAY ON TZARTUS ISLAND	NW
11	679 *	09/14/84	BARKLEY SOUND, SANTA MARIA ISLAND	W
12	680 *	09/14/84	BARKLEY SOUND, E. OF CONGREVE ISLAND (0.5 NAUTICAL MILE)	NE
13	681 *	09/14/84	BARKLEY SOUND, CONGREVE ISLAND	NE
14	682 *	09/14/84	BARKLEY SOUND, EXTREME E. SIDE OF SEDDALL ISLAND IN RAINY BAY	N
15	683 *	09/14/84	BARKLEY SOUND, EXTREME E. SIDE OF SEDDALL ISLAND IN RAINY BAY	N
16	684 *	09/14/84	BARKLEY SOUND, N. END OF USELESS INLET	NE
17	685 *	09/14/84	BARKLEY SOUND, N. END OF VERNON BAY	NE
18	686 *	09/14/84	BARKLEY SOUND, PENINSULA N.E. OF JANE ISLAND ON VERNON BAY	N
19	687 *	09/14/84	BARKLEY SOUND, BAY ON EFFINGHAM INLET (1 NAUTICAL MILE N.E. OF WEBSTER ISLAND)	S
20	688 *	09/14/84	BARKLEY SOUND, W. OF WEBSTER ISLAND ON EFFINGHAM INLET	NW
21	689 *	09/14/84	BARKLEY SOUND, W. OF WEBSTER ISLAND ON EFFINGHAM INLET	NW
22	690 *	09/14/84	BARKLEY SOUND, BAY AND POINT W. OF JOHN ISLET	NW
23	691 *	09/14/84	BARKLEY SOUND, N. END OF JULIA PASSAGE	N
24	692 *	09/14/84	BARKLEY SOUND, BAY IN THE MIDDLE OF JULIA PASSAGE (N. SIDE)	NW
25	693 *	09/14/84	BARKLEY SOUND, BAY IN THE MIDDLE OF JULIA PASSAGE (N. SIDE)	N
26	694 *	09/14/84	BARKLEY SOUND, BAY OPPOSITE CANOE ISLAND ON SECHART CHANNEL	N
27	695 *	09/14/84	BARKLEY SOUND, PINKERTON ISLANDS	NW
28	696 *	09/14/84	BARKLEY SOUND, EQUIS BEACH, OPPOSITE PINKERTON ISLANDS	NE
29	697 *	09/14/84	BARKLEY SOUND, E. END OF HAND ISLAND	N

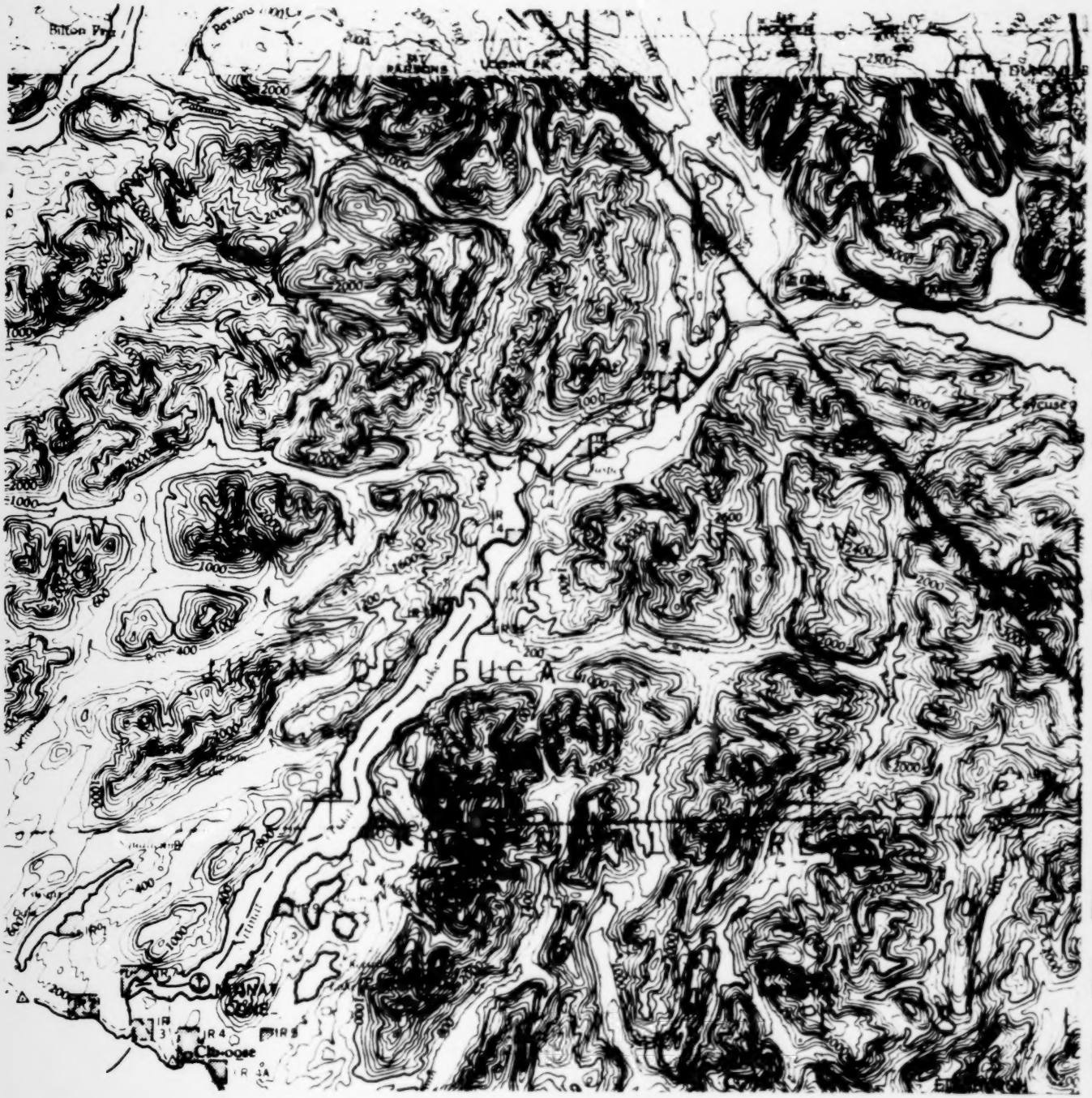
* ON FILE AT ENV. PROT. SER, MICROBIOLOGY LAB, N. VANCOUVER

CONTINUED...

M A P - 2 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
30	698 *	09/14/84	BARKLEY SOUND, S.E. CORNER OF MAYNE BAY	SE
31	699 *	09/14/84	BARKLEY SOUND, E. SHORE OF MAYNE BAY	N
32	700 *	09/14/84	BARKLEY SOUND, E. SHORE OF MAYNE BAY	NE
33	701 *	09/14/84	BARKLEY SOUND, BAY IN N.E. CORNER OF MAYNE BAY	W
34	702 *	09/14/84	BARKLEY SOUND, BAY IN N.E. CORNER OF MAYNE BAY	W
35	703 *	09/14/84	BARKLEY SOUND, BAZETT ISLAND	E
36	704 *	09/14/84	BARKLEY SOUND, BAZETT ISLAND	E
37	705 *	09/14/84	BARKLEY SOUND, PIPESTEM INLET AT CATARACT CREEK	NW
38	706 *	09/14/84	BARKLEY SOUND, HILLIER ISLAND, TOQUART BAY	NW
39	707 *	09/14/84	BARKLEY SOUND, HILLIER ISLAND, HEAD OF TOQUART BAY	NE
40	708 *	09/14/84	BARKLEY SOUND, HILLIER ISLAND, W. SHORE OF TOQUART BAY	NE
41	710 *	09/14/84	BARKLEY SOUND, BAY W. OF STOPPER ISLAND ON W. SHORE OF TOQUART BAY	NE
42	711 *	09/14/84	BARKLEY SOUND, CHANNEL BETWEEN STOPPER ISLANDS	SE
43	709 *	09/14/84	BARKLEY SOUND, STOPPER ISLAND CHANNEL	W
44	712 *	09/14/84	BARKLEY SOUND, STOPPER ISLANDS	NE
45	713 *	09/14/84	BARKLEY SOUND, STOPPER ISLANDS	N

* ON FILE AT ENV. PROT. SER, MICROBIOLOGY LAB, N. VANCOUVER



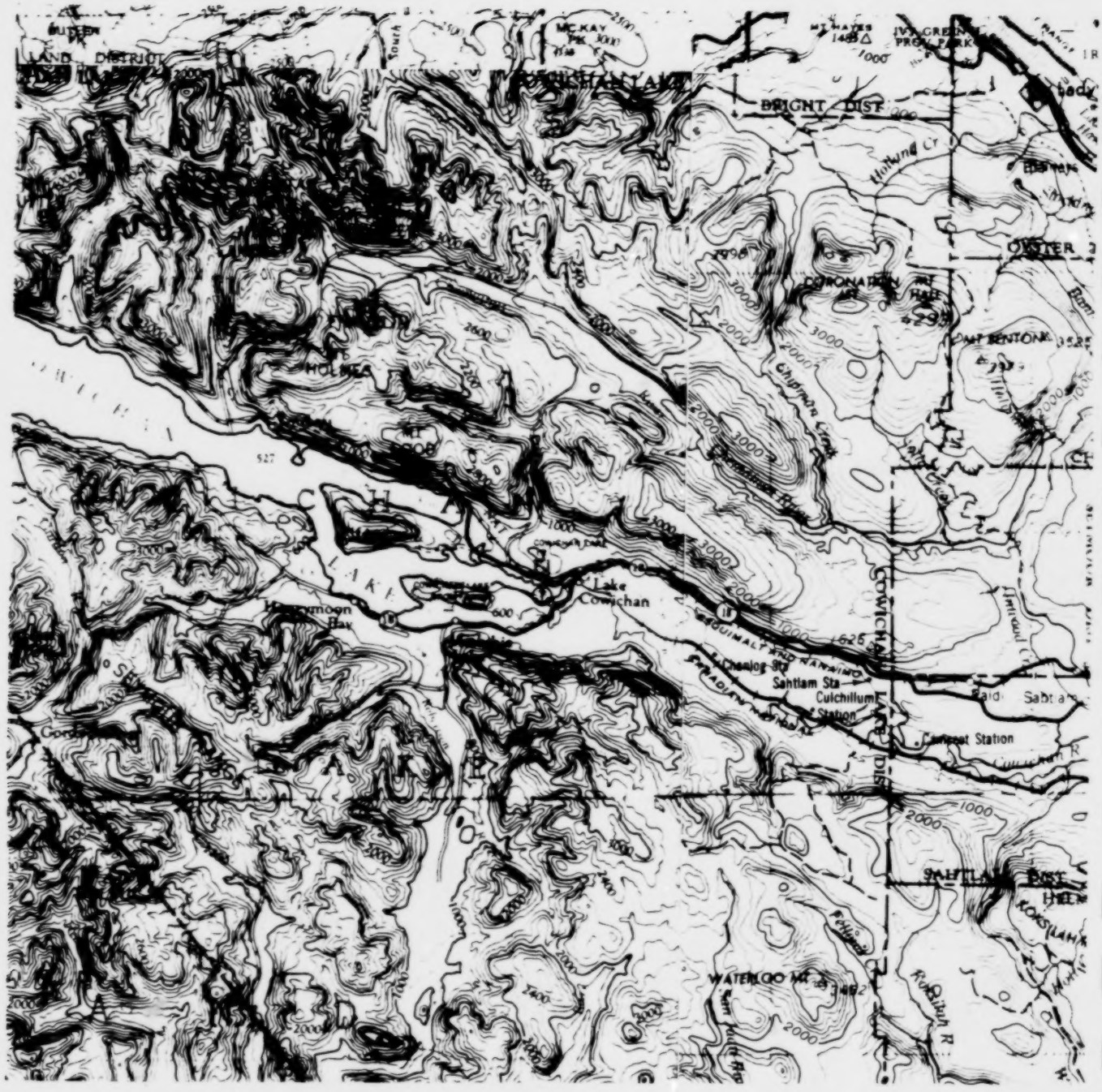
MAP 3

Nitinat

MAP - 3

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.



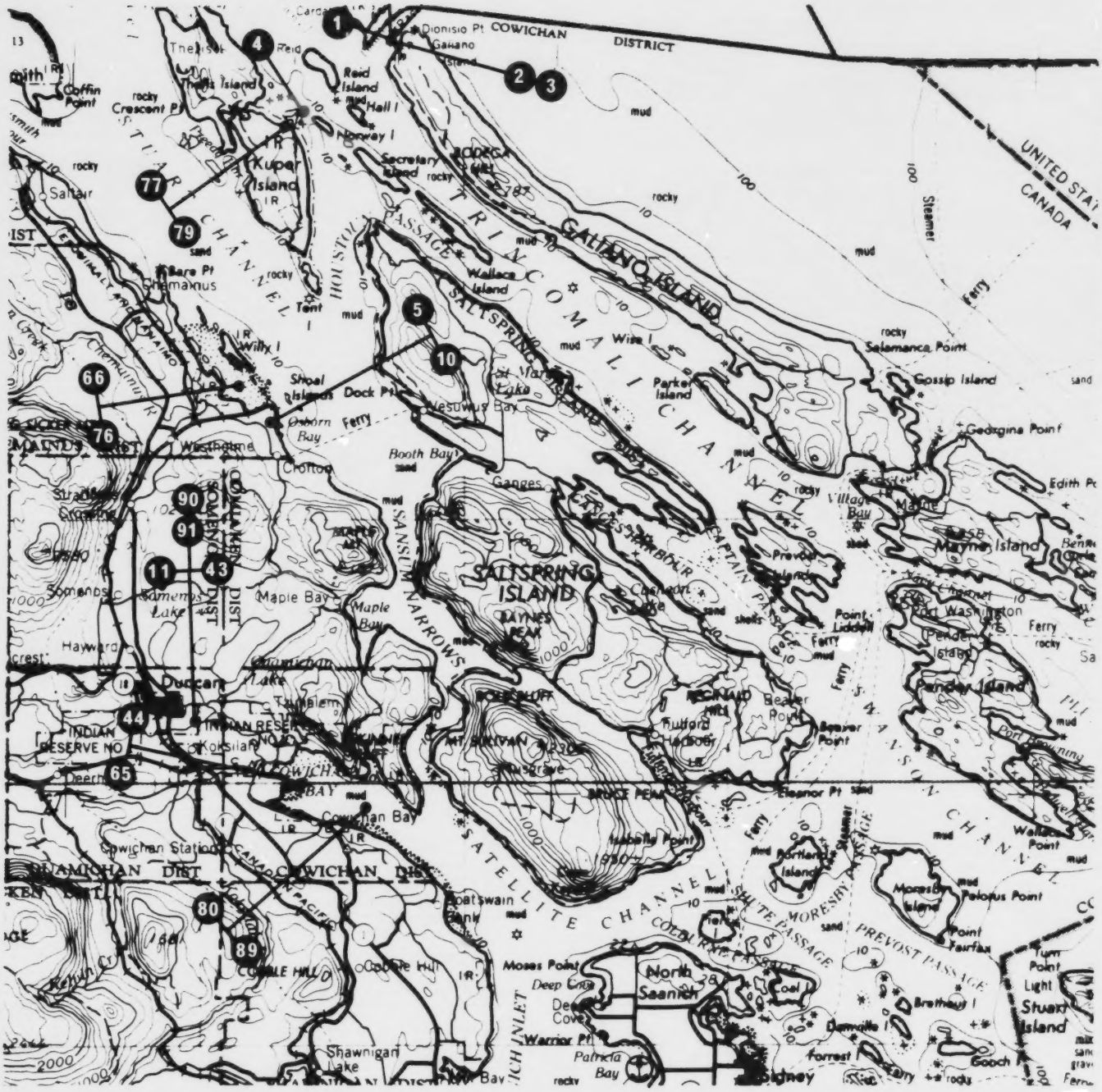
MAP 4

Lake Cowichan

MAP - 4

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.



MAP 5

Cowichan Bay / Crofton

MAP - 5

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	69	07/12/76	PORLIER PASS	SE
2	72	07/12/76	PORLIER PASS	NW
3	73	07/12/76	PORLIER PASS	NW
4	42	07/12/76	GULF ISLANDS, GEORGIA ST, SECRETARY ISLAND & KUPER ISLAND	SE
5	533	09/16/80	B.C. FOREST PRODUCTS MILL, CROFTON	W
6	534	09/16/80	B.C. FOREST PRODUCTS MILL, CROFTON	W
7	535	09/16/80	B.C. FOREST PRODUCTS MILL, CROFTON	SW
8	536	09/16/80	B.C. FOREST PRODUCTS MILL, CROFTON, DIFFUSER DISCHARGE SURFACING	SE
9	537	09/16/80	B.C. FOREST PRODUCTS MILL, CROFTON, DIFFUSER DISCHARGE SURFACING	W
10	538	09/16/80	B.C. FOREST PRODUCTS MILL, CROFTON, DIFFUSER DISCHARGE SURFACING	NE
11	539	09/16/80	DUNCAN SEWAGE LAGOONS	E
12	540	09/16/80	DUNCAN, COWICHAN RIVER	E
13	541	09/16/80	DUNCAN, COWICHAN RIVER	NE
14	542	09/16/80	DUNCAN, COWICHAN RIVER	NE
15	543	09/16/80	DUNCAN, COWICHAN RIVER	NW
16	544	09/16/80	DUNCAN, COWICHAN RIVER	W
17	545	09/16/80	DUNCAN, COWICHAN RIVER, SEWAGE LAGOONS	W
18	546	09/16/80	DUNCAN, COWICHAN RIVER	NE
19	547	09/16/80	DUNCAN, COWICHAN RIVER	NE
20	548	09/16/80	DUNCAN, COWICHAN RIVER	N
21	549	09/16/80	DUNCAN, COWICHAN RIVER	SW
22	550	09/16/80	DUNCAN, COWICHAN RIVER	N
23	551	09/16/80	DUNCAN, COWICHAN RIVER AT TRAILER PARK	NE
24	552	09/16/80	DUNCAN, COWICHAN RIVER AT TRAILER PARK	N
25	553	09/16/80	DUNCAN, COWICHAN RIVER AT TRAILER PARK	N
26	554	09/16/80	DUNCAN, COWICHAN RIVER AT TRAILER PARK	N
27	555	09/16/80	DUNCAN, COWICHAN RIVER	N
28	556	09/16/80	DUNCAN, COWICHAN RIVER	NE
29	557	09/16/80	DUNCAN, COWICHAN RIVER	N
30	558	09/16/80	DUNCAN, COWICHAN RIVER	N
31	561	09/16/80	DUNCAN, COWICHAN RIVER	N
32	562	09/16/80	DUNCAN, COWICHAN RIVER	N
33	559	09/16/80	DUNCAN, COWICHAN RIVER	NW
34	560	09/16/80	DUNCAN, COWICHAN RIVER	NW
35	563	09/16/80	DUNCAN, COWICHAN RIVER	N
36	564	09/16/80	DUNCAN, COWICHAN RIVER	N
37	565	09/16/80	DUNCAN, COWICHAN RIVER, SEWAGE LAGOONS	N
38	566	09/16/80	DUNCAN, COWICHAN RIVER, SEWAGE LAGOONS	N
39	567	09/16/80	DUNCAN, COWICHAN RIVER, SEWAGE LAGOONS	N

CONTINUED...

M A P - 5 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
40	568	09/16/80	DUNCAN, COWICHAN RIVER, SEWAGE LAGOONS	E
41	569	09/16/80	DUNCAN, COWICHAN RIVER	N
42	570	09/16/80	DUNCAN, COWICHAN RIVER	N
43	571	09/16/80	DUNCAN, COWICHAN RIVER AT TRAILER PARK	E
44	572	09/16/80	DUNCAN, COWICHAN RIVER, HOG FUEL SITE	S
45	573	09/16/80	DUNCAN, COWICHAN RIVER, HOG FUEL SITE	SE
46	574	09/16/80	DUNCAN, COWICHAN RIVER, HOG FUEL SITE	NE
47	575	09/16/80	COWICHAN ESTUARY	NE
48	576	09/16/80	COWICHAN ESTUARY	W
49	577	09/16/80	COWICHAN ESTUARY	NW
50	578	09/16/80	COWICHAN ESTUARY	NW
51	579	09/16/80	COWICHAN ESTUARY	W
52	580	09/16/80	COWICHAN ESTUARY	W
53	581	09/16/80	COWICHAN ESTUARY	W
54	582	09/16/80	COWICHAN ESTUARY	SW
55	583	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	SE
56	584	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	SE
57	585	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	E
58	586	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	E
59	587	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	SE
60	588	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	SE
61	589	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	SE
62	590	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	SE
63	591	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	E
64	592	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	E
65	593	09/16/80	COWICHAN ESTUARY (SCAN ACROSS THE ESTUARY)	E
66	787 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	N
67	788 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	NE
68	789 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	NE
69	790 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	NE
70	791 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	NE
71	792 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	NE
72	793 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	NE
73	794 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	NE
74	795 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	SE
75	796 *	09/14/84	CROFTON, WILLY ISLAND & SHOAL ISLAND	SE
76	797 *	09/14/84	CROFTON	SE
77	798 *	09/14/84	PENELAKUT SPIT, KUPER ISLAND	NE
78	799 *	09/14/84	PENELAKUT SPIT, KUPER ISLAND	NE
79	800 *	09/14/84	PENELAKUT SPIT, KUPER ISLAND	NE
80	801 *	09/14/84	COWICHAN BAY	NE
81	802 *	09/14/84	COWICHAN BAY	NE
82	803 *	09/14/84	COWICHAN BAY	NE

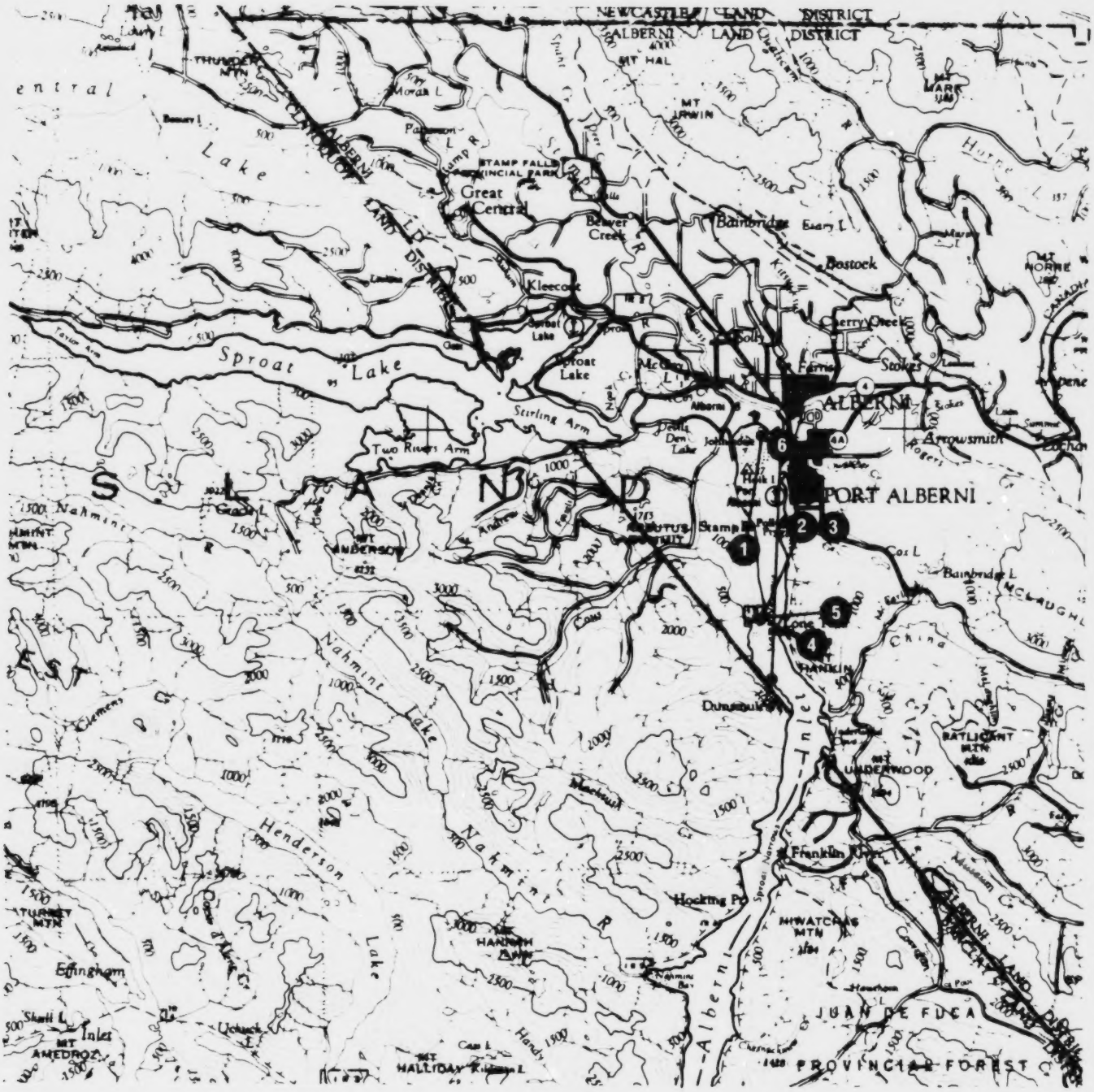
* ON FILE AT ENV. PROT. SER., MICROBIOLOGY LAB, N. VANCOUVER

CONTINUED...

MAP - 5 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
83	804 *	09/14/84	COWICHAN BAY	NE
84	805 *	09/14/84	COWICHAN BAY	NE
85	806 *	09/14/84	COWICHAN BAY	NE
86	807 *	09/14/84	COWICHAN BAY	NE
87	808 *	09/14/84	COWICHAN BAY	NE
88	809 *	09/14/84	COWICHAN BAY	N
89	810 *	09/14/84	COWICHAN BAY	E
90	811 *	09/14/84	DUNCAN, COWICHAN RIVER, SEWAGE PLANT	N
91	812 *	09/14/84	DUNCAN, COWICHAN RIVER, SEWAGE PLANT	NE

* ON FILE AT ENV. PROT. SER., MICROBIOLOGY LAB, N. VANCOUVER

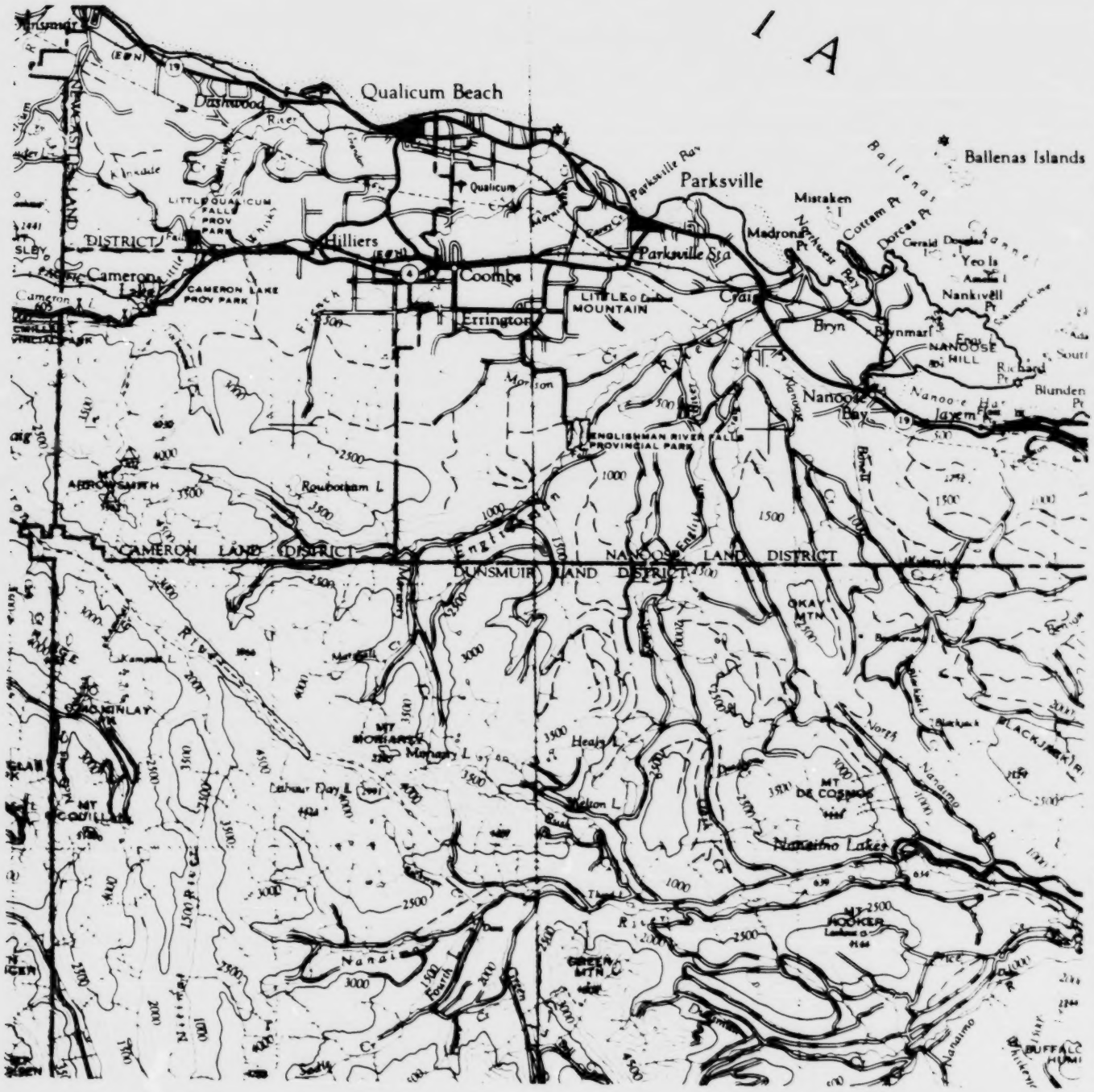


MAP 6

Port Alberni

MAP - 6

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	22	05/05/76	ALBERNI INLET	NE
2	23	05/05/76	ALBERNI INLET	SW
3	24	05/05/76	ALBERNI INLET	SW
4	25	05/05/76	ALBERNI INLET, DUMP SITE	NW
5	26	05/05/76	ALBERNI INLET, DUMP SITE	W
6	27	05/05/76	ALBERNI INLET	SW



MAP 7

Qualicum

MAP - 7

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.

MAP 8

Nanaimo

MAP - 8

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	70	07/12/76	PORLIER PASS	SW
2	71	07/12/76	PORLIER PASS	S
3	74	07/12/76	GABRIOLA ISLAND N. END PILOT BAY	NE
4	75	07/12/76	FIVE FINGER ISLAND, NANAIMO AREA	NW
5	88	07/16/76	FIVE FINGER ISLAND, NANAIMO AREA	NW
6	89	07/16/76	HAMMOND BAY, NANAIMO	N
7	90	07/16/76	HAMMOND BAY, NANAIMO	NE
8	91	07/16/76	HAMMOND BAY, NANAIMO	E
9	92	07/16/76	SEWAGE TREATMENT PLANT, NANAIMO	
10	93	07/16/76	SEWAGE TREATMENT PLANT, NANAIMO	
11	327	05/16/79	GABRIOLA ISLAND, FLAT TOP ISLANDS	SE
12	328	05/16/79	GABRIOLA ISLAND, FALSE NARROWS	SE
13	329	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	W
14	330	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	W
15	331	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	W
16	332	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	SW
17	333	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	S
18	334	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	S
19	335	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	S
20	337	05/16/79	HARMAC MILL (MacMILLAN BLOEDEL)	S
21	338	05/16/79	HOOKER CHEMICAL CO., NANAIMO	S
22	336	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT.	SW
23	339	05/16/79	NANAIMO ESTUARY, DUKE PT.	SW
24	340	05/16/79	NANAIMO ESTUARY, DUKE PT.	SW
25	341	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT.	SW
26	342	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT.	SW
27	343	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT., NORTHUMBERLAND CHANNEL	S
28	344	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT., NORTHUMBERLAND CHANNEL	SE
29	345	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT., NORTHUMBERLAND CHANNEL	SE
30	346	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT., NORTHUMBERLAND CHANNEL	SE
31	347	05/16/79	NANAIMO ESTUARY, DUKE PT. & JACK PT., NORTHUMBERLAND CHANNEL	SW
32	348	05/16/79	NANAIMO HARBOUR, NEWCASTLE ISLAND & PROTECTION ISLAND	SW
33	349	05/16/79	DEPARTURE BAY, NANAIMO	W
34	350	05/16/79	NANAIMO SEWAGE TREATMENT PLANT	
35	387	05/30/80	PACIFIC BIOLOGICAL STN, DEPARTURE BAY, NANAIMO	NW
36	388	05/30/80	PACIFIC BIOLOGICAL STN, DEPARTURE BAY, NANAIMO	NW

CONTINUED...

MAP - 8 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
37	389	05/30/80	PACIFIC BIOLOGICAL STN, DEPARTURE BAY, NANAIMO	NE
38	390	05/30/80	PACIFIC BIOLOGICAL STN, DEPARTURE BAY, NANAIMO	NE
39	391	05/30/80	PACIFIC BIOLOGICAL STN, DEPARTURE BAY, NANAIMO	E

MAP 9

Vancouver

MAP - 9

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	94	07/16/76	PACIFIC ENVIRONMENT INSTITUTE, WEST VANCOUVER	NE
2	95	07/16/76	PACIFIC ENVIRONMENT INSTITUTE, WEST VANCOUVER	E
3	96	07/16/76	KAPILANO 100 BLDG, PARK ROYAL, WEST VANCOUVER	NE
4	99	07/16/76	KAPILANO 100 BLDG, PARK ROYAL, WEST VANCOUVER	NE
5	100	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
6	101	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
7	102	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
8	103	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
9	105	08/30/77	STEVESTON, STURGEON BANK, OIL SPILL	N
10	119	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
11	106	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
12	107	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
13	108	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
14	109	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	N
15	110	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	N
16	111	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	W
17	122	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
18	104	08/30/77	STEVESTON, FRASER RIVER OIL SPILL	N
19	118	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	N
20	112	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	N
21	113	08/30/77	STEVESTON, STURGEON BANK, OIL SPILL	N
22	114	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	N
23	124	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	NE
24	125	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	NE
25	116	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	NE
26	117	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	NE
27	115	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	E
28	120	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	E
29	121	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	E
30	129	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	E
31	126	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	S
32	127	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	S
33	128	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	S
34	123	08/30/77	STEVESTON, STURGEON BANK OIL SPILL	W
35	240	09/13/77	WHONNOCK INDUSTRIES (AT QUEENSBOROUGH BRIDGE)	S
36	241	09/13/77	MacMILLAN BLOEDEL, NEW WEST	NE
37	243	09/13/77	FOREST PRODUCTS INDUSTRY	NW
38	244	09/13/77	FRASER RIVER-ANNACIS ISLAND SEWAGE PLANT & DREDGING	N

CONTINUED...

M A P - 9 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
39	245	09/13/77	FRASER RIVER-ANNACIS ISLAND SEWAGE PLANT & DREDGING	N
40	246	09/13/77	KOKUSAI FOREST INDUSTRIES	W
41	247	09/13/77	KOKUSAI FOREST INDUSTRIES	SW
42	248	09/13/77	KOKUSAI FOREST INDUSTRIES	SE
43	249	09/13/77	TILBURY SLOUGH, HAIDA CEMENT	N
44	250	09/13/77	TILBURY ISLAND, DOW CHEMICAL	NW
45	251	09/13/77	TILBURY SLOUGH, B.C. FOREST PRODUCTS SAWMILL	NE
46	252	09/13/77	TILBURY SLOUGH, B.C. FOREST PRODUCTS SAWMILL	N
47	253	09/13/77	TILBURY SLOUGH, B.C. FOREST PRODUCTS SAWMILL	SE
48	254	09/13/77	TILBURY SLOUGH, B.C. FOREST PRODUCTS SAWMILL	E
49	255	09/13/77	MITCHELL ISLAND, FRASER RIVER PLANING & HEMFIR LUMBER CO.	SE
50	256	09/13/77	MITCHELL ISLAND, FRASER RIVER PLANING & HEMFIR LUMBER CO.	N
51	257	09/13/77	MITCHELL ISLAND & MARPOLE, WEST OF KNIGHT ST BRIDGE	S
52	258	09/13/77	MITCHELL ISLAND & MARPOLE, WEST OF KNIGHT ST BRIDGE	NW
53	259	09/13/77	WHONNOCK INDUSTRIES SILVERTREE DIV. (FOOT OF ST GEORGE STREET)	S
54	260	09/13/77	WHONNOCK INDUSTRIES SILVERTREE DIV. (FOOT OF ST GEORGE STREET)	NW
55	261	09/13/77	WESTCOAST CELLUFIBRE INDUSTRIES LTD, NANAIMO FOREST PRODUCTS	SE
56	262	09/13/77	WESTCOAST CELLUFIBRE INDUSTRIES LTD., NANAIMO FOREST PRODUCTS	NW
57	263	09/13/77	RICHMOND ISLAND, CANADIAN FOREST PRODUCTS	SE
58	264	09/13/77	RICHMOND ISLAND, CANADIAN FOREST PRODUCTS	NE
59	265	09/13/77	RICHMOND ISLAND, CANADIAN FOREST PRODUCTS	NW
60	267	07/20/78	ROBERTS BANK	S
61	267	07/20/78	ROBERTS BANK	NW
62	268	07/20/78	ROBERTS BANK	NW
63	269	07/20/78	ROBERTS BANK	N
64	270	07/20/78	ROBERTS BANK	NE
65	271	07/20/78	IONA SEWAGE PLANT	NE
66	322	05/16/79	VANCOUVER HARBOUR (NORTH VAN SHORELINE)	NE
67	323	05/16/79	VANCOUVER HARBOUR (NORTH SHORE WHARVES)	NE
68	324	05/16/79	VANCOUVER HARBOUR (NORTH SHORE WHARVES)	NE

CONTINUED...

M A P - 9 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
69	325	05/16/79	LIONS GATE BRIDGE,CAPILANO RIVER	N
70	326	05/16/79	POINT ATKINSON, VANCOUVER HARBOUR	N
71	393	07/08/80	VANCOUVER HARBOUR CPR WHARVES TO LIONS GATE BRIDGE	NW
72	394	07/08/80	VANCOUVER HARBOUR, CPR WHARVES, DEMOLITION, COAL HARBOUR	
73	392	07/08/80	VANCOUVER HARBOUR FROM WHARF	NE
74	396	07/08/80	VANCOUVER HARBOUR, VIEW FROM DOCKS TO 1 st NARROWS (LIONS GATE BRIDGE)	NW
75	395	07/08/80	VANCOUVER HARBOUR, VICINITY OF B.C. SUGAR REFINERY & ROGERS STREET	NE
76	398	07/08/80	VANCOUVER HARBOUR, WHARF AREA, VICINITY OF COMMERCIAL DRIVE	NE
77	231	09/13/77	MacMILLAN BLOEDEL, PARTICLE BOARD DIV., BOUNDARY RD.	N
78	232	09/13/77	MacMILLAN BLOEDEL, PARTICLE BOARD DIV., BOUNDARY RD.	NW
79	397	07/08/80	VANCOUVER HARBOUR, VICINITY OF CLINTON PARK , PENTICTON STREET & 1 st AVE.	N
80	400	07/08/80	VANCOUVER/BURNABY NEAR CENTRAL PARK, PATTERSON & KINGSWAY	SE
81	228	09/13/77	BELKIN INDUSTRIES, WOODWASTE SITE	SW
82	229	09/13/77	BELKIN INDUSTRIES, WOODWASTE SITE	SE
83	230	09/13/77	BELKIN INDUSTRIES, WOODWASTE SITE	E

MAP 9a

Vancouver

MAP - 9A

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	403	07/08/80	BURNS BOG LANDFILL	SW
2	404	07/08/80	BURNS BOG LANDFILL	SW
3	405	07/08/80	BURNS BOG LANDFILL WITH COVER DREDGE OPERATION	W
4	406	07/08/80	BURNS BOG LANDFILL WITH COVER DREDGE OPERATION	W
5	407	07/08/80	BURNS BOG LANDFILL WITH COVER DREDGE OPERATION	N
6	408	07/08/80	BURNS BOG LANDFILL WITH COVER DREDGE OPERATION	NW
7	409 BW	07/08/80	BURNS BOG LANDFILL WITH COVER DREDGE OPERATION	S
8	410 BW	07/08/80	BURNS BOG LANDFILL WITH COVER DREDGE OPERATION	W
9	412 BW	07/08/80	BURNS BOG LANDFILL	SW
10	413 BW	07/08/80	BURNS BOG LANDFILL, COVER DREDGE OPERATION	SW
11	414 BW	07/08/80	BURNS BOG LANDFILL, COVER DREDGE OPERATION	W
12	415 BW	07/08/80	BURNS BOG LANDFILL, COVER DREDGE OPERATION	W
13	416 BW	07/08/80	BURNS BOG LANDFILL	NW
14	417 BW	07/08/80	BURNS BOG LANDFILL	SE
15	418 BW	07/08/80	BURNS BOG LANDFILL	SE
16	419 BW	07/08/80	BURNS BOG LANDFILL	W
17	411 BW	07/08/80	RICHMOND LANDFILL	SE
18	420 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	N
19	421 BW	07/08/80	RICHMOND LANDFILL	NE
20	422 BW	07/08/80	RICHMOND LANDFILL	E
21	423	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	S
22	424	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	SW
23	425	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	NW
24	426	07/08/80	RICHMOND LANDFILL	W
25	427	07/08/80	RICHMOND LANDFILL	NW
26	428	07/08/80	RICHMOND LANDFILL	NW
27	429	07/08/80	RICHMOND LANDFILL	N
28	430	07/08/80	RICHMOND LANDFILL	NE
29	431	07/08/80	RICHMOND LANDFILL	NE
30	432	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	S
31	433	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	NW
32	434	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	NW
33	435	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET, BLACK LEACHATE PLUME ENTERING THE FRASER RIVER	N
34	436 BW	07/08/80	RICHMOND LANDFILL	S
35	437 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	SW
36	438 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	NW

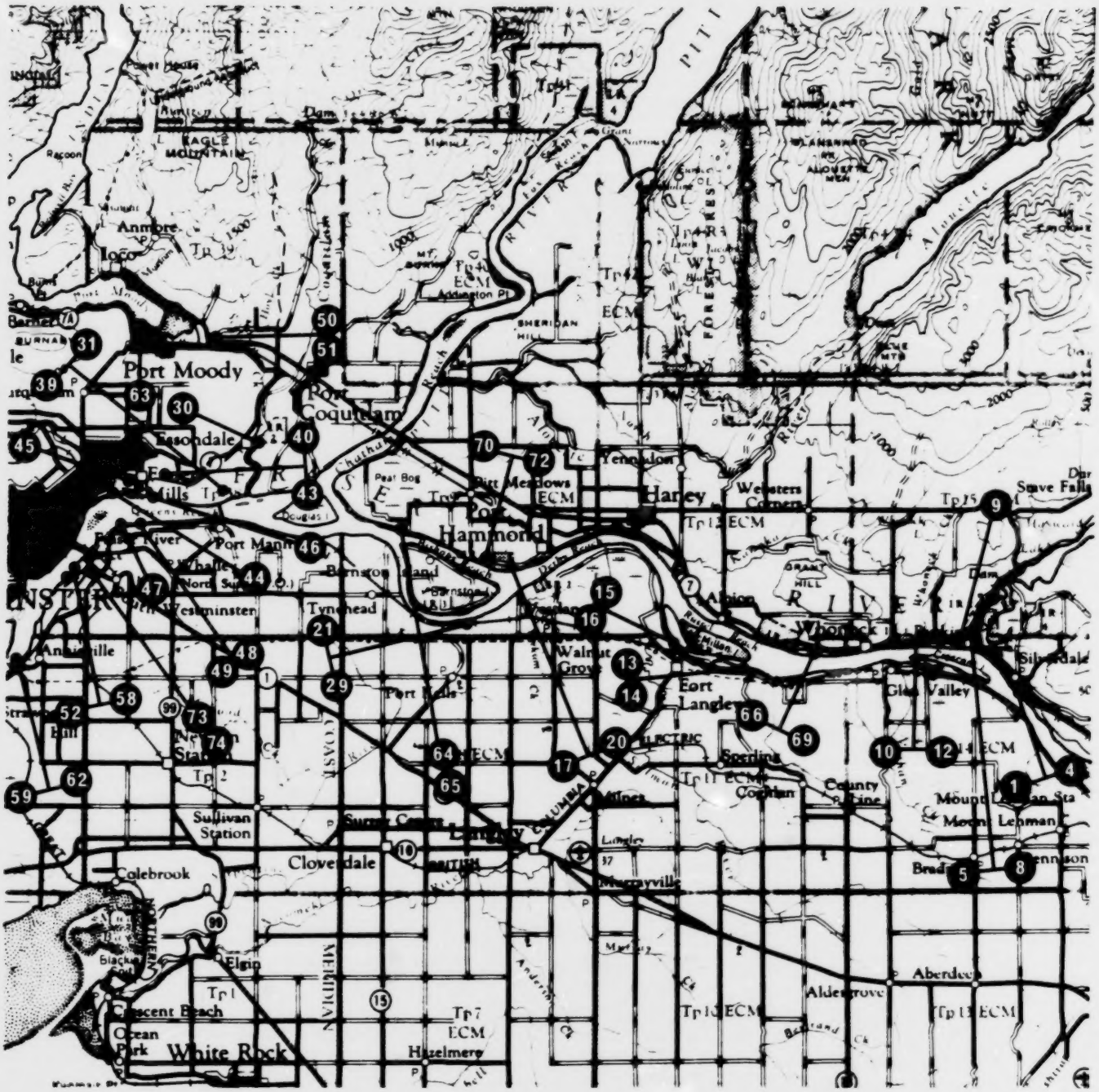
* BW - BLACK & WHITE PHOTOGRAPH

CONTINUED...

MAP - 9A (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
37	439 BW	07/08/80	RICHMOND LANDFILL	NW
38	440 BW	07/08/80	RICHMOND LANDFILL	NW
39	441 BW	07/08/80	RICHMOND LANDFILL	NW
40	442 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	N
41	443 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	S
42	444 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	NW
43	445 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	N
44	446 BW	07/08/80	RICHMOND LANDFILL, NELSON ROAD OUTLET	NW
45	510	07/08/80	RICHMOND LANDFILL SITE	SW
46	489	07/08/80	STRIDE AVENUE LANDFILL SITE	S
47	490	07/08/80	STRIDE AVENUE LANDFILL SITE	SW
48	491	07/08/80	STRIDE AVENUE LANDFILL SITE	SW
49	492	07/08/80	STRIDE AVENUE LANDFILL SITE	W
50	493	07/08/80	STRIDE AVENUE LANDFILL SITE	N
51	494	07/08/80	STRIDE AVENUE LANDFILL SITE	NW
52	495 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	NE
53	496 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	SE
54	497 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	SW
55	498 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	SW
56	499 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	SW
57	500 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	NW
58	501 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	N
59	502 BW	07/08/80	STRIDE AVENUE LANDFILL SITE	E
60	503	07/08/80	KERR ROAD LANDFILL SITE	E
61	504	07/08/80	KERR ROAD LANDFILL SITE	E
62	505	07/08/80	KERR ROAD LANDFILL SITE	SE
63	506	07/08/80	KERR ROAD LANDFILL SITE	SW
64	507	07/08/80	KERR ROAD LANDFILL SITE	SW
65	508	07/08/80	KERR ROAD LANDFILL SITE	W
66	509	07/08/80	KERR ROAD LANDFILL SITE	NW
67	511 BW	07/08/80	KERR ROAD LANDFILL SITE	N
68	512 BW	07/08/80	KERR ROAD LANDFILL SITE	NE
69	513 BW	07/08/80	KERR ROAD LANDFILL SITE	E
70	514 BW	07/08/80	KERR ROAD LANDFILL SITE	SW
71	515 BW	07/08/80	KERR ROAD LANDFILL SITE	SW
72	516 BW	07/08/80	KERR ROAD LANDFILL SITE	NW
73	529	07/08/80	RICHMOND LANDFILL SITE, NELSON ROAD OUTLET	NE
74	530	07/08/80	PEAT AREA ADJACENT TO NORTH ARM FRASER RIVER	E
75	531	07/08/80	NORTH ARM FRASER RIVER, NEAR BOUNDARY ROAD	SE
76	532	07/08/80	LANDFILL EAST OF BOUNDARY ROAD, NORTH ARM FRASER RIVER	E

* BW - BLACK & WHITE PHOTOGRAPH



MAP 10

New Westminster / Langley

MAP - 10

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	160	07/25/77	DAVIDSON SHINGLE CO. LTD., SILVERDALE	NW
2	161	07/25/77	DAVIDSON SHINGLE CO. LTD., SILVERDALE	NE
3	162	07/25/77	DAVIDSON SHINGLE CO. LTD., SILVERDALE	NW
4	163	07/25/77	DAVIDSON SHINGLE CO. LTD., SILVERDALE	W
5	164	07/25/77	MALAKWA CEDAR PRODUCTS, RUSKIN	NW
6	165	07/25/77	MALAKWA CEDAR PRODUCTS, RUSKIN	SW
7	166	07/25/77	MALAKWA CEDAR PRODUCTS, RUSKIN	NE
8	167	07/25/77	MALAKWA CEDAR PRODUCTS, RUSKIN	N
9	168	07/25/77	WALDEN FOREST PRODUCTS, RUSKIN	SW
10	169	07/25/77	ABANDONED MILL, WHONNOCK	SW
11	170	07/25/77	ABANDONED MILL, WHONNOCK	N
12	171	07/25/77	ABANDONED MILL, WHONNOCK	SW
13	176	09/13/77	SKYWAY RECREATIONAL LTD., EAST OF FORT LANGLEY	E
14	177	09/13/77	SKYWAY RECREATIONAL LTD., EAST OF FORT LANGLEY	E
15	178	09/13/77	McDONALD CEDAR LTD., FORT LANGLEY	E
16	179	09/13/77	McDONALD CEDAR LTD., FORT LANGLEY	W
17	180	09/13/77	B.C. FOREST PRODUCTS, PORT HAMMOND	SW
18	181	09/13/77	B.C. FOREST PRODUCTS, PORT HAMMOND	NE
19	182	09/13/77	B.C. FOREST PRODUCTS, PORT HAMMOND	W
20	183	09/13/77	B.C. FOREST PRODUCTS, PORT HAMMOND	E
21	184	09/13/77	PARKER CEDAR PRODUCTS, NEAR PORT KELLS	S
22	185	09/13/77	PARKER CEDAR PRODUCTS & CINDERELLA CEDAR, NEAR PORT KELLS	S
23	186	09/13/77	PARKER CEDAR PRODUCTS & CINDERELLA CEDAR, NEAR PORT KELLS	E
24	187	09/13/77	PARKER CEDAR PRODUCTS & CINDERELLA CEDAR, NEAR PORT KELLS	NE
25	188	09/13/77	WINDE PACIFIC FOREST PRODUCTS & S&R MILLS, NEAR PORT KELLS	W
26	189	09/13/77	STUMAC SAWMILLS & CINDERELLA CEDAR & PARKER CEDAR PRODUCTS, NEAR PORT KELLS	E
27	190	09/13/77	FOREST PRODUCTS INDUSTRY, NEAR PORT KELLS	S
28	191	09/13/77	FOREST PRODUCTS INDUSTRY, NEAR PORT KELLS	S
29	192	09/13/77	TEAL CEDAR, NEAR PORT KELLS	SW
30	194	09/13/77	B.C. HYDRO (HOG FUEL RD), ESSONDALE	SE
31	195	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	E
32	196	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	E
33	197	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	SE
34	198	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	SE
35	199	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	E
36	200	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	NE

CONTINUED...

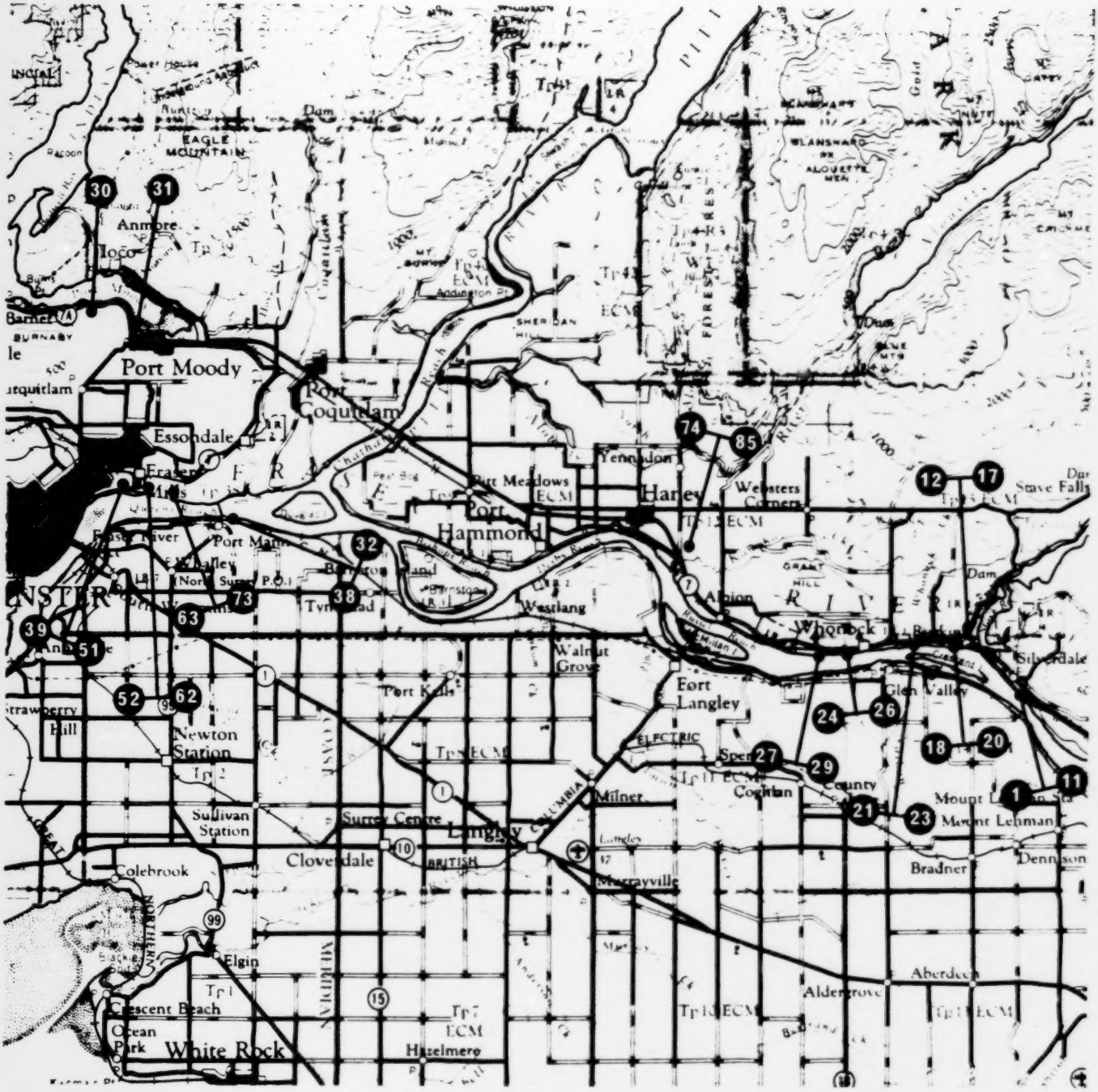
M A P - 1 0 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
37	201	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	W
38	202	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	SE
39	203	09/13/77	MAYFAIR LANDFILL SITE, ESSONDALE	NE
40	204	09/13/77	VEN DEV LANDFILL SITE, NEW WEST	W
41	205	09/13/77	VEN DEV LANDFILL SITE, NEW WEST	NW
42	206	09/13/77	VEN DEV LANDFILL SITE, NEW WEST	N
43	207	09/13/77	VEN DEV LANDFILL SITE, NEW WEST	NW
44	208	09/13/77	CANADIAN FOREST PRODUCTS MILL	N
45	209	09/13/77	GREATER VANCOUVER SEWAGE & DRAINAGE DISTRICT LANDFILL	W
46	210	09/13/77	CROWN FOREST INDUSTRIES (FORMERLY CROWN ZELLERBACH), FRASER MILL	W
47	211	09/13/77	MILL & TIMBER PRODUCTS LTD.	N
48	212	09/13/77	IMP-PAC LUMBER LTD. & KILLAM DEVELOPMENT CO. LTD.	N
49	213	09/13/77	LOUGHEED INDUSTRIAL DEVELOPMENT, WOOD WASTE LANDFILL	E
50	214	09/13/77	LANDFILL SITE	W
51	215	09/13/77	LANDFILL SITE	NE
52	216	09/13/77	IMPERIAL LUMBER,SUPERIOR SHINGLES LTD,LINDAHL CEDAR HOMES,BROWNSVILLE SAWMILLS, BRIDGEVIEW	NW
53	217	09/13/77	IMPERIAL LUMBER,SUPERIOR SHINGLES LTD,LINDAHL CEDAR HOMES,BROWNSVILLE SAWMILLS, BRIDGEVIEW	NW
54	218	09/13/77	BROWNSVILLE SAWMILLS LTD & BRIDGEVIEW	E
55	219	09/13/77	IMPERIAL LUMBER, SUPERIOR SHINGLES & LINDAHL CEDAR HOMES	N
56	220	09/13/77	WELDWOOD TIMBERLAND DIVISION, LANDFILL	NW
57	221	09/13/77	WELDWOOD TIMBERLAND DIVISION, MILL	NW
58	222	09/13/77	WELDWOOD TIMBERLAND DIVISION, MILL & HOG FUEL PILE	NE
59	233	09/13/77	SUNBURY CEDAR SALES	SW
60	234	09/13/77	SUNBURY CEDAR SALES	SE
61	235	09/13/77	SUNBURY CEDAR SALES	NE
62	236	09/13/77	SUNBURY CEDAR SALES	SE
63	237	09/13/77	PACIFIC COAST TERMINALS, SULPHUR STORAGE, PORT MOODY	N
64	238	09/13/77	VIEW FROM BARNSTON ISLAND	NW
65	239	09/13/77	VIEW FROM BARNSTON ISLAND	NW
66	174	07/25/77	WHONNOCK SHAKE & SHINGLE	SW
67	175	07/25/77	WHONNOCK SHAKE & SHINGLE	NE
68	172	07/25/77	WHONNOCK SHAKE & SHINGLES	W

CONTINUED...

MAP - 10 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
69	173	07/25/77	WHONNOCK LUMBER	NE
70	223	09/13/77	CIPA-PITT MEADOWS, WOOD WASTE LANDFILL	SW
71	224	09/13/77	CIPA-PITT MEADOWS, WOOD WASTE LANDFILL	S
72	225	09/13/77	CIPA-PITT MEADOWS, WOOD WASTE LANDFILL	N
73	226	09/13/77	OLD YALE ROAD, WOOD WASTE LANDFILL	N
74	227	09/13/77	UNITED AUTO WRECKERS & LANDFILL SITE	W



MAP 10a

New Westminster/Langley

MAP - 10A

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	634	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	N
2	635	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	N
3	636	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	W
4	637	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	NW
5	638	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	N
6	639	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	W
7	640	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	NE
8	641	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	NE
9	642	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	NE
10	643	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	E
11	644	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT SILVERDALE)	S
12	645	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	N
13	646	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	S
14	647	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	SE
15	648	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	SW
16	649	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	E
17	650	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	E
18	651	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	NE
19	652	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	NE
20	653	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT RUSKIN)	NW
21	654	08/18/82	FRASER RIVER, FRASER CEDAR PRODUCTS (AT WHONNOCK CREEK)	N
22	655	08/18/82	FRASER RIVER, FRASER CEDAR PRODUCTS (AT WHONNOCK CREEK)	NE

CONTINUED...

MAP - 10A (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
23	656	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT WHONNOCK CREEK, WEST SIDE)	N
24	657	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (BETWEEN WHONNOCK & ROLLEY)	NW
25	658	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (BETWEEN WHONNOCK & ROLLEY)	NW
26	659	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (BETWEEN WHONNOCK & ROLLEY)	NE
27	660	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT ROLLEY)	NW
28	661	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT ROLLEY)	NW
29	662	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY (AT ROLLEY)	NE
30	401 BW	07/08/80	GULF REFINERY, BURNABY	S
31	402 BW	07/08/80	PACIFIC COAST TERMINALS, SULPHUR STORAGE, PORT MOODY	S
32	447	07/08/80	PORT MANN LANDFILL SITE	W
33	448	07/08/80	PORT MANN LANDFILL SITE	SE
34	449	07/08/80	PORT MANN LANDFILL SITE	W
35	451 BW	07/08/80	PORT MANN LANDFILL SITE	E
36	452 BW	07/08/80	PORT MANN LANDFILL SITE	E
37	453 BW	07/08/80	PORT MANN LANDFILL SITE	S
38	454 BW	07/08/80	PORT MANN LANDFILL SITE	SW
39	455	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	N
40	456	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	NE
41	457	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	NE
42	458	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	NE
43	459	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	E
44	460	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	SE
45	461	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	SW
46	462	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	S
47	463 BW	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	NE
48	464 BW	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	NE
49	465 BW	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	E
50	466 BW	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	S
51	467 BW	07/08/80	COQUITLAM LANDFILL SITE (GVRD)	SE
52	450	07/08/80	TERRA NOVA LANDFILL SITE	N
53	468 BW	07/08/80	TRRRA NOVA LANDFILL SITE (GENERAL VIEW)	S
54	469	07/08/80	TERRA NOVA LANDFILL SITE	N
55	470	07/08/80	TERRA NOVA LANDFILL SITE	N
56	471	07/08/80	TERRA NOVA LANDFILL SITE	SE
57	472	07/08/80	TERRA NOVA LANDFILL SITE	SE

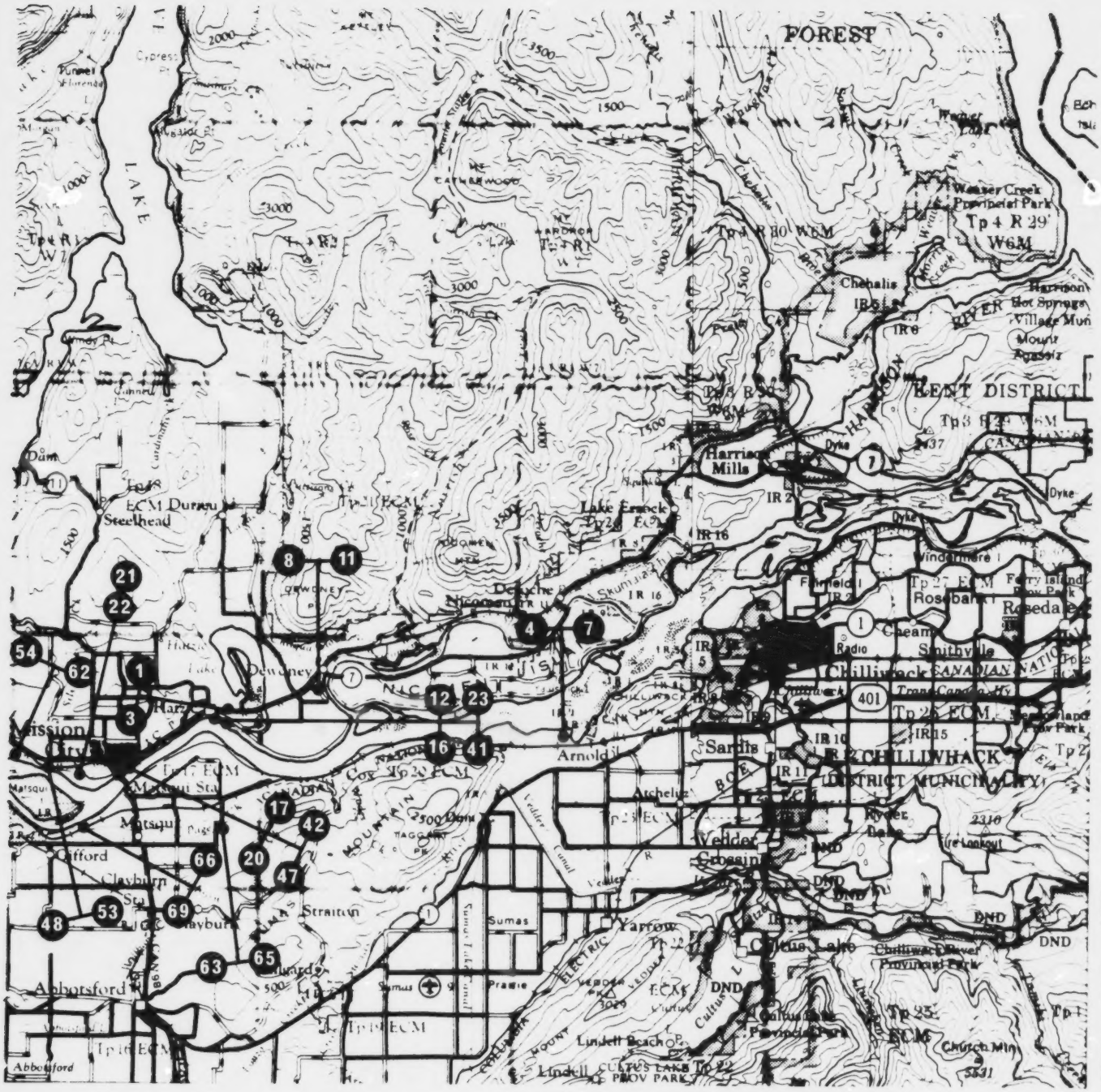
* BW - BLACK & WHITE PHOTOGRAPH

CONTINUED...

MAP - 10A (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
58	473	07/08/80	TERRA NOVA LANDFILL SITE	S
59	476 BW	07/08/80	TERRA NOVA LANDFILL SITE	N
60	477 BW	07/08/80	TERRA NOVA LANDFILL SITE	N
61	478 BW	07/08/80	TERRA NOVA LANDFILL SITE	N
62	479 BW	07/08/80	TERRA NOVA LANDFILL SITE	SE
63	474	07/08/80	LEEDER LANDFILL SITE	S
64	475 BW	07/08/80	LEEDER LANDFILL SITE (GENERAL VIEW)	N
65	480 BW	07/08/80	LEEDER LANDFILL SITE	S
66	481	07/08/80	LEEDER LANDFILL SITE	SW
67	482	07/08/80	LEEDER LANDFILL SITE	SW
68	483	07/08/80	LEEDER LANDFILL SITE	NW
69	484	07/08/80	LEEDER LANDFILL SITE	N
70	485 BW	07/08/80	LEEDER LANDFILL SITE	SW
71	486 BW	07/08/80	LEEDER LANDFILL SITE	SW
72	487 BW	07/08/80	LEEDER LANDFILL SITE	NW
73	488 BW	07/08/80	LEEDER LANDFILL SITE	NW
74	517	07/08/80	MAPLE RIDGE LANDFILL SITE	SW
75	518	07/08/80	MAPLE RIDGE LANDFILL SITE	W
76	519	07/08/80	MAPLE RIDGE LANDFILL SITE	NW
77	520	07/08/80	MAPLE RIDGE LANDFILL SITE	N
78	521	07/08/80	MAPLE RIDGE LANDFILL SITE	S
79	522	07/08/80	MAPLE RIDGE LANDFILL SITE	SW
80	523 BW	07/08/80	MAPLE RIDGE LANDFILL SITE	E
81	524 BW	07/08/80	MAPLE RIDGE LANDFILL SITE	SE
82	525 BW	07/08/80	MAPLE RIDGE LANDFILL SITE	SW
83	526 BW	07/08/80	MAPLE RIDGE LANDFILL SITE	W
84	527 BW	07/08/80	MAPLE RIDGE LANDFILL SITE	NW
85	528 BW	07/08/80	MAPLE RIDGE LANDFILL SITE	N

* BW - BLACK & WHITE PHOTOGRAPH



MAP 11

Mission

MAP - 11

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	138	07/15/77	MALAKWA CEDAR PRODUCTS, RUSKIN	NE
2	139	07/15/77	MALAKWA CEDAR PRODUCTS, RUSKIN	NE
3	140	07/15/77	MALAKWA CEDAR PRODUCTS, RUSKIN	NE
4	141	07/25/77	FOREST PRODUCTS INDUSTRY, NEAR CHILLIWACK	SW
5	142	07/25/77	FOREST PRODUCTS INDUSTRY, NEAR CHILLIWACK	SW
6	143	07/25/77	FOREST PRODUCTS INDUSTRY, NEAR CHILLIWACK	E
7	144	07/25/77	FOREST PRODUCTS INDUSTRY, NEAR CHILLIWACK	NE
8	145	07/25/77	CANADIAN FOREST PRODUCTS, DEWDNEY	S
9	146	07/25/77	CANADIAN FOREST PRODUCTS, DEWDNEY	N
10	147	07/25/77	CANADIAN FOREST PRODUCTS, DEWDNEY	S
11	148	07/25/77	CANADIAN FOREST PRODUCTS, DEWDNEY	NE
12	149	07/25/77	W. HEDRICK, HATZIC	SW
13	150	07/25/77	W. HEDRICK, HATZIC	N
14	151	07/25/77	MILL STREAM TIMBER LTD., HATZIC	N
15	152	07/25/77	HATZIC BOOMING, HATZIC	SW
16	153	07/25/77	HATZIC BOOMING, HATZIC	SW
17	154	07/25/77	MEEKER CEDAR PRODUCTS, CITATION CEDAR, NORTHWEST CEDAR, MISSION	SW
18	155	07/25/77	NORTHWEST CEDAR, MISSION	S
19	156	07/25/77	GREEN RIVER LOG SALES, MISSION	SW
20	157	07/25/77	FOREST PRODUCTS INDUSTRY, E. OF MISSION BRIDGE	SW
21	158	07/25/77	FOREST PRODUCTS INDUSTRY, MISSION (LOUGHEED HWY & DIKE RD.)	SW
22	159	07/25/77	FOREST PRODUCTS INDUSTRY, MISSION (LOUGHEED HWY & DIKE RD.)	SW
23	594	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	W
24	595	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	W
25	596	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	E
26	597	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	SE
27	598	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	SW
28	599	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	SE
29	600	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	NE
30	601	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	NE

CONTINUED...

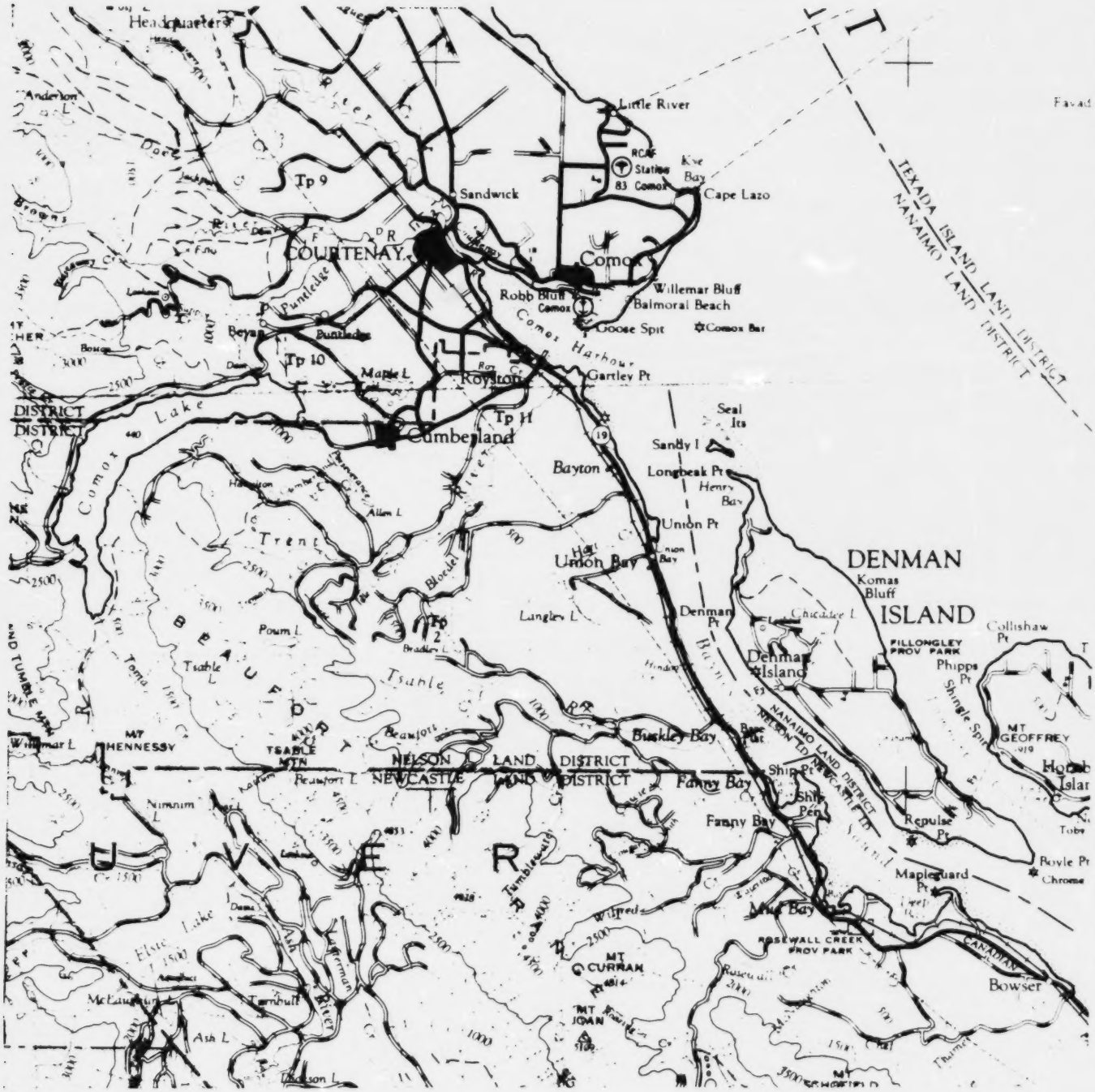
MAP - 11 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
31	602	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	NE
32	603	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	NE
33	604	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	N
34	605	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	S
35	606	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	NE
36	607	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	SE
37	608	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	SW
38	609	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	S
39	610	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	N
40	611	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	S
41	612	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, HATZIC	NE
42	613	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, MISSION	NW
43	614	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, MISSION	NE
44	615	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, MISSION	NW
45	616	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, MISSION	NW
46	617	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, MISSION	S
47	618	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, MISSION	S
48	619	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY,1.5 MILES W. OF MISSION BRIDGE	NE
49	620	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY,1.5 MILES W. OF MISSION BRIDGE	N
50	621	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY,1.5 MILES W. OF MISSION BRIDGE	NW
51	622	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY,1.5 MILES W. OF MISSION BRIDGE	SW

CONTINUED...

MAP - 11 (Continued)

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
52	623	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY,1.5 MILES W. OF MISSION BRIDGE	SE
53	624	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY,1.5 MILES W. OF MISSION BRIDGE	SW
54	625	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	N
55	626	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	NE
56	627	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	NE
57	628	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	NE
58	629	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	SW
59	630	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	SW
60	631	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	SW
61	632	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	SW
62	633	08/18/82	FRASER RIVER, FOREST PRODUCTS INDUSTRY, 2.5 MILES W. OF MISSION BRIDGE	SW
63	663	08/18/82	MATSQUI AREA, SEWAGE TREATMENT PLANT, FORE RD & BEHARRELL RD	E
64	664	08/18/82	MATSQUI AREA, SEWAGE TREATMENT PLANT, FORE RD & BEHARRELL RD	N
65	665	08/18/82	MATSQUI AREA, SEWAGE TREATMENT PLANT, FORE RD & BEHARRELL RD	SE
66	666	08/18/82	FRASER RIVER, SEWAGE TREATMENT PLANT, MISSION B.C.	N
67	667	08/18/82	FRASER RIVER, SEWAGE TREATMENT PLANT, MISSION B.C.	N
68	668	08/18/82	FRASER RIVER, SEWAGE TREATMENT PLANT, MISSION B.C.	S
69	669	08/18/82	FRASER RIVER, SEWAGE TREATMENT PLANT, MISSION B.C.	NE



MAP 12

Comox / Courtenay

MAP - 12

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.

MAP 13

Texada Island

MAP - 13

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	77	07/12/76	TEXADA MINE, TEXADA ISLAND	E
2	78	07/12/76	TEXADA MINE, TEXADA ISLAND	E
3	84	07/14/76	TEXADA MINE, TEXADA ISLAND	W
4	79	07/12/76	TEXADA MINE PIT, TEXADA ISLAND	

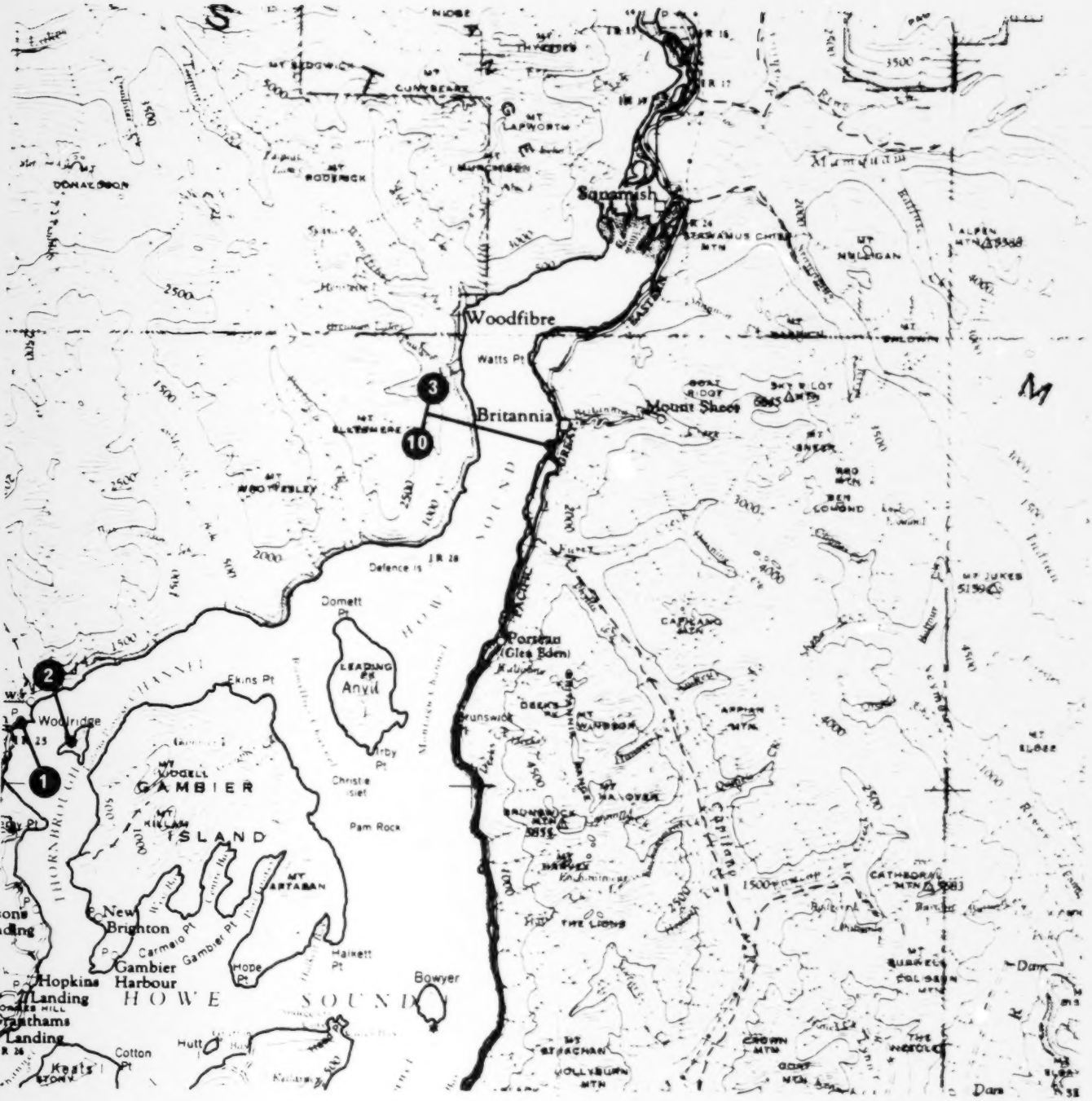
MAP 14

Sechelt

MAP - 14

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.



MAP 15

Howe Sound

MAP - 15

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	87	07/12/76	CANADIAN FOREST PRODUCTS MILL, PORT MELLON	NW
2	86	07/12/76	F.R.B. RESEARCH BARGE "L. PACIFICA" HOWE SOUND	SE
3	720	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	
4	721	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	
5	722	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	
6	723	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	
7	724	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	
8	725	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	
9	726	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	
10	727	07/13/85	HOWE SOUND, E. SHORE, BRITANNIA MINE TO DAISY CREEK	

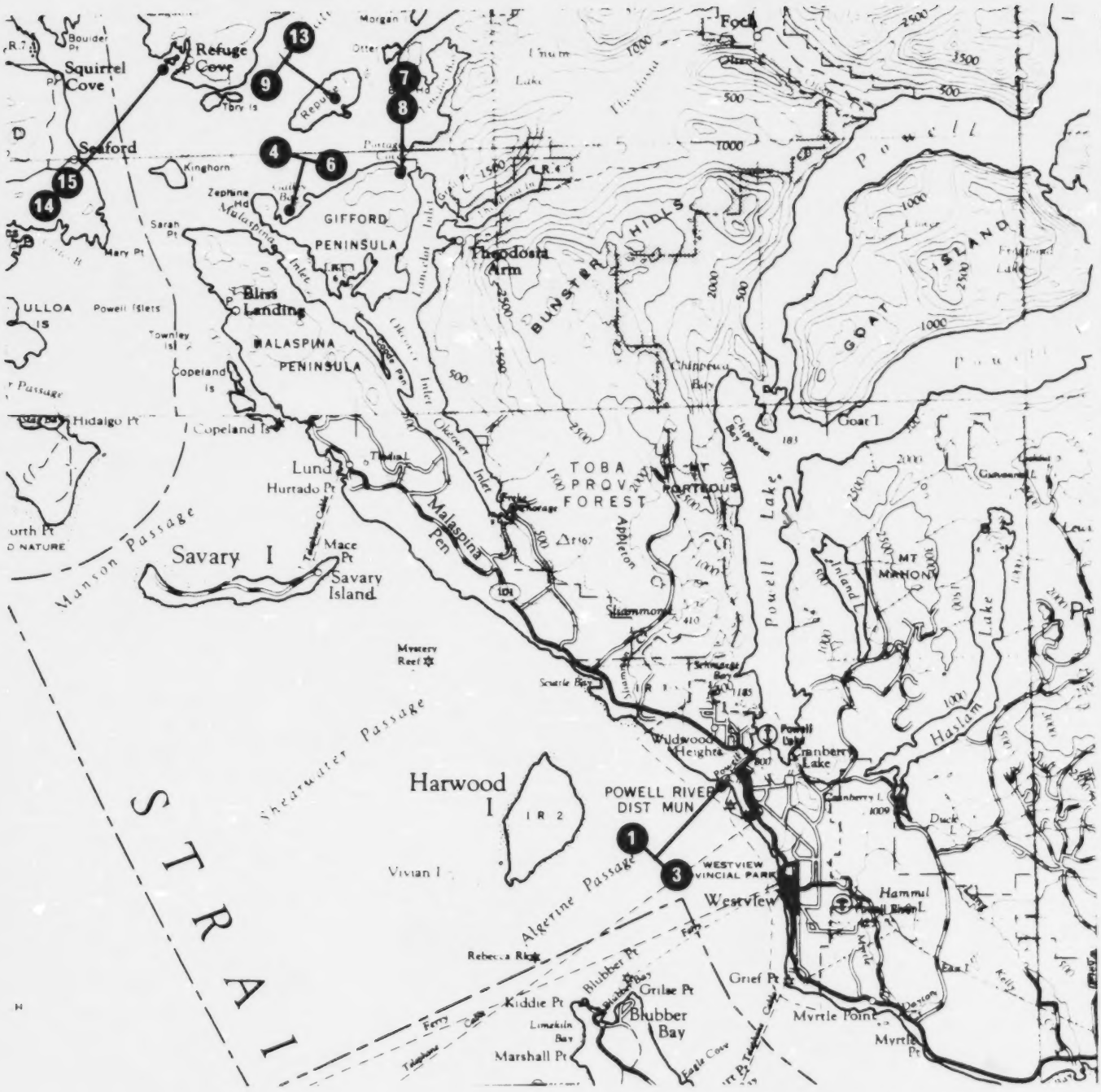
MAP 16

Campbell River

MAP - 16

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	717	07/13/85	ELK FALLS MILL, (CROWN FOREST PRODUCTS) CAMPBELL RIVER	W
2	718	07/13/85	ELK FALLS MILL, (CROWN FOREST PRODUCTS) CAMPBELL RIVER	SW
3	719	07/13/85	ELK FALLS MILL, (CROWN FOREST PRODUCTS) CAMPBELL RIVER	SW
4	728 *	07/13/85	CORTES ISLAND, MANSONS LANDING	NE
5	729 *	07/13/85	CORTES ISLAND, MANSONS LANDING	NE
6	730 *	07/13/85	CORTES ISLAND, GORGE HARBOUR	N
7	731 *	07/13/85	CORTES ISLAND, GORGE HARBOUR	NE
8	732 *	07/13/85	CORTES ISLAND, GORGE HARBOUR	NE
9	733 *	07/13/85	CORTES ISLAND, GORGE HARBOUR	SE
10	734 *	07/13/85	CORTES ISLAND, GORGE HARBOUR	E
11	735 *	07/13/85	CORTES ISLAND, GORGE HARBOUR	W
12	736 *	07/13/85	CORTES ISLAND, WHALETOWN	NE
13	737 *	07/13/85	CORTES ISLAND, COULTER BAY	SE
14	738 *	07/13/85	CORTES ISLAND, COULTER BAY	S
15	782 *	07/13/85	QUADRA ISLAND, HYACINTHE BAY	NW
16	783 *	07/13/85	QUADRA ISLAND, HYACINTHE BAY	N
17	784 *	07/13/85	QUADRA ISLAND, HYACINTHE BAY	NW
18	785 *	07/13/85	QUADRA ISLAND, HYACINTHE BAY	SE

* ON FILE AT ENV. PROT. SER, MICROBIOLOGY LAB, N. VANCOUVER



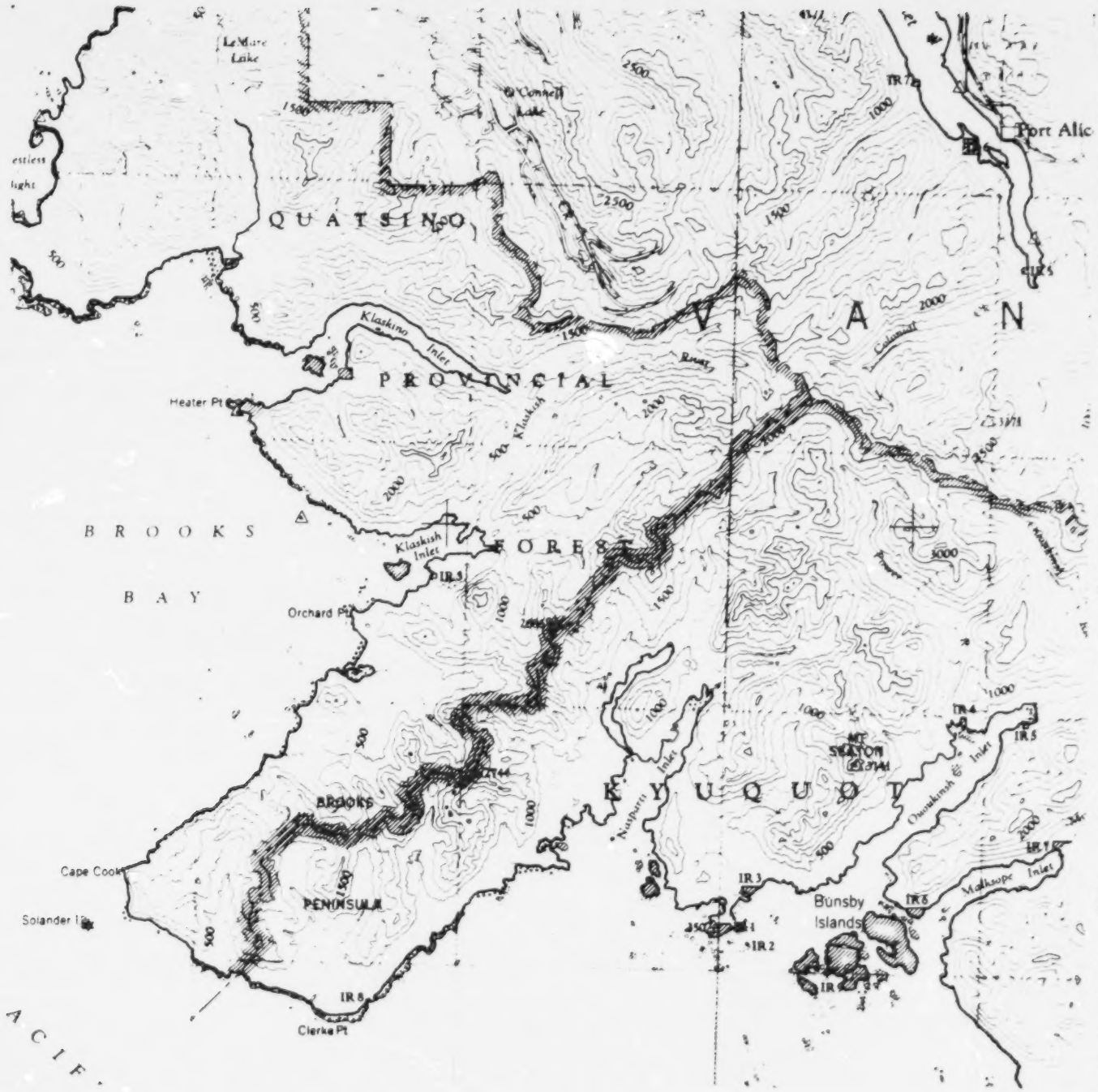
MAP 17

Powell River

MAP - 17

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	714	07/13/85	POWELL RIVER MILL (MacMILLAN BLOEDEL)	E
2	715	07/13/85	POWELL RIVER MILL (MacMILLAN BLOEDEL)	E
3	716	07/13/85	POWELL RIVER MILL (MacMILLAN BLOEDEL)	SE
4	744 *	07/13/85	GIFFORD PENINSULA, GALLEY BAY	SW
5	745 *	07/13/85	GIFFORD PENINSULA, GALLEY BAY	S
6	746 *	07/13/85	GIFFORD PENINSULA, GALLEY BAY	SW
7	747 *	07/13/85	GIFFORD PENINSULA, PORTAGE COVE	SE
8	748 *	07/13/85	GIFFORD PENINSULA, PORTAGE COVE	SE
9	749 *	07/13/85	MINK ISLAND	NW
10	750 *	07/13/85	MINK ISLAND	NW
11	751 *	07/13/85	MINK ISLAND	NE
12	752 *	07/13/85	MINK ISLAND	SE
13	753 *	07/13/85	MINK ISLAND	SE
14	754 *	07/13/85	WEST REDONDA ISLAND, REFUGE COVE	NE
15	755 *	07/13/85	WEST REDONDA ISLAND, REFUGE COVE	NE

* ON FILE AT ENV. PROT. SER, MICROBIOLOGY LAB, N. VANCOUVER



MAP 18

Port Alice

MAP - 18

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.

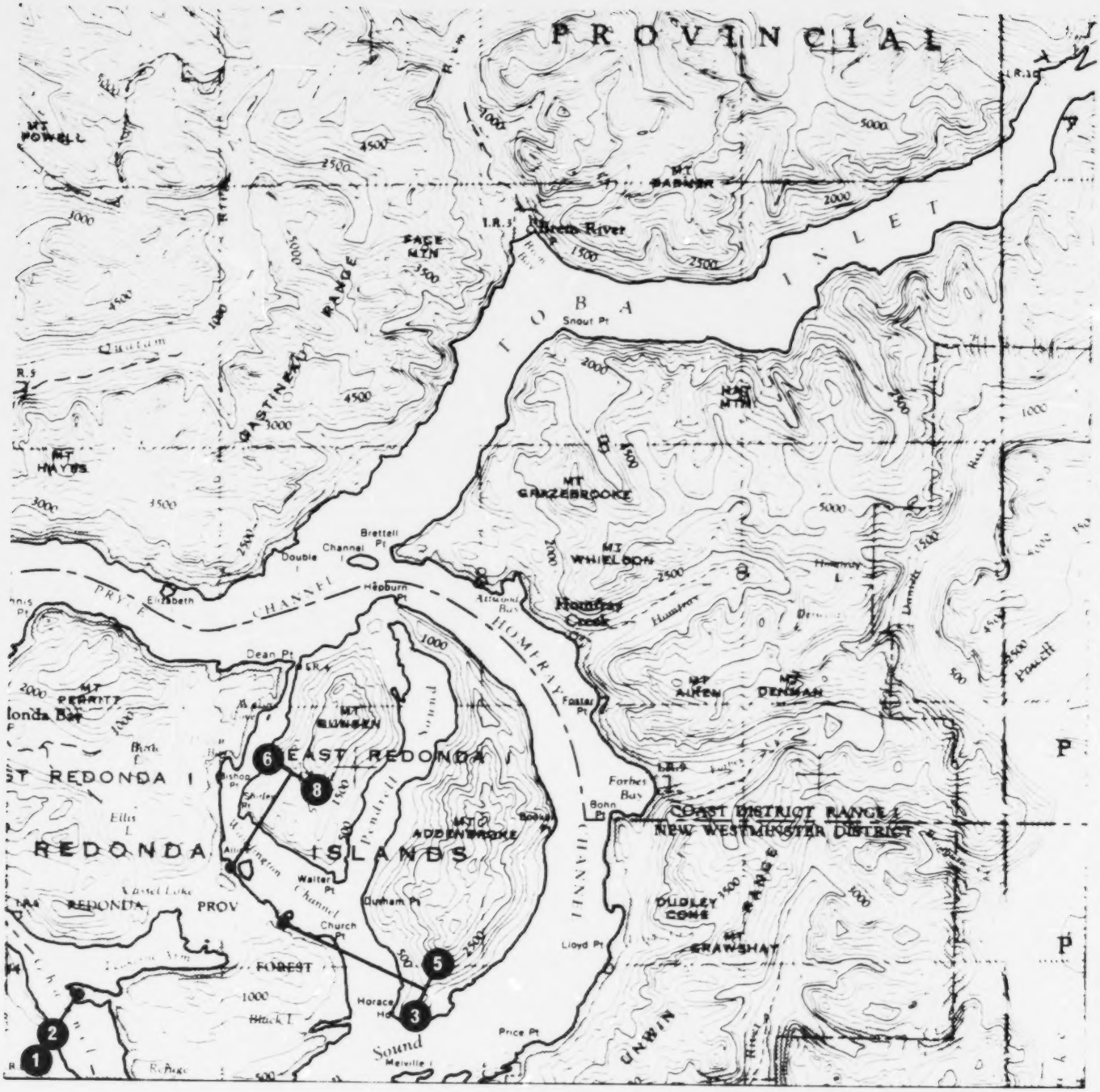
MAP 19

Quadra Island

MAP - 19

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	739 *	07/13/85	CORTES ISLAND, CARRINGTON BAY	SE
2	740 *	07/13/85	CORTES ISLAND, CARRINGTON BAY	SE
3	741 *	07/13/85	CORTES ISLAND, QUARTZ BAY	SE
4	742 *	07/13/85	CORTES ISLAND, 1.5 MILES E. OF QUARTZ BAY	SE
5	743 *	07/13/85	CORTES ISLAND, 1.5 MILES E. OF QUARTZ BAY	S
6	764 *	07/13/85	STUART ISLAND, BIG BAY	N
7	765 *	07/13/85	STUART ISLAND, BIG BAY	NE
8	766 *	07/13/85	STUART ISLAND, BIG BAY	SE
9	767 *	07/13/85	QUADRA ISLAND, WAIATT BAY	SW
10	768 *	07/13/85	QUADRA ISLAND, WAIATT BAY	NW
11	769 *	07/13/85	QUADRA ISLAND, WAIATT BAY	N
12	770 *	07/13/85	READ ISLAND, EVANS BAY	NE
13	771 *	07/13/85	READ ISLAND, EVANS BAY	NE
14	772 *	07/13/85	READ ISLAND, EVANS BAY	N
15	773 *	07/13/85	READ ISLAND, EVANS BAY, COVE N.E. OF BIRD COVE	NW
16	774 *	07/13/85	READ ISLAND, EVANS BAY, COVE S.E. OF BIRD COVE	SE
17	775 *	07/13/85	READ ISLAND, BURDWOOD BAY, N. END	W
18	776 *	07/13/85	READ ISLAND, BURDWOOD BAY	NW
19	777 *	07/13/85	QUADRA ISLAND, BOLD ISLAND	N
20	778 *	07/13/85	QUADRA ISLAND, BOLD ISLAND	NE
21	779 *	07/13/85	QUADRA ISLAND, 2 MILES S. OF VILLAGE BAY	SW
22	780 *	07/13/85	QUADRA ISLAND, 2 MILES S. OF VILLAGE BAY	NW
23	781 *	07/13/85	QUADRA ISLAND, 2 MILES S. OF VILLAGE BAY	NE
24	786 *	07/13/85	DEEPWATER BAY	SE

* ON FILE AT ENV. PROT. SER, MICROBIOLOGY LAB, N. VANCOUVER



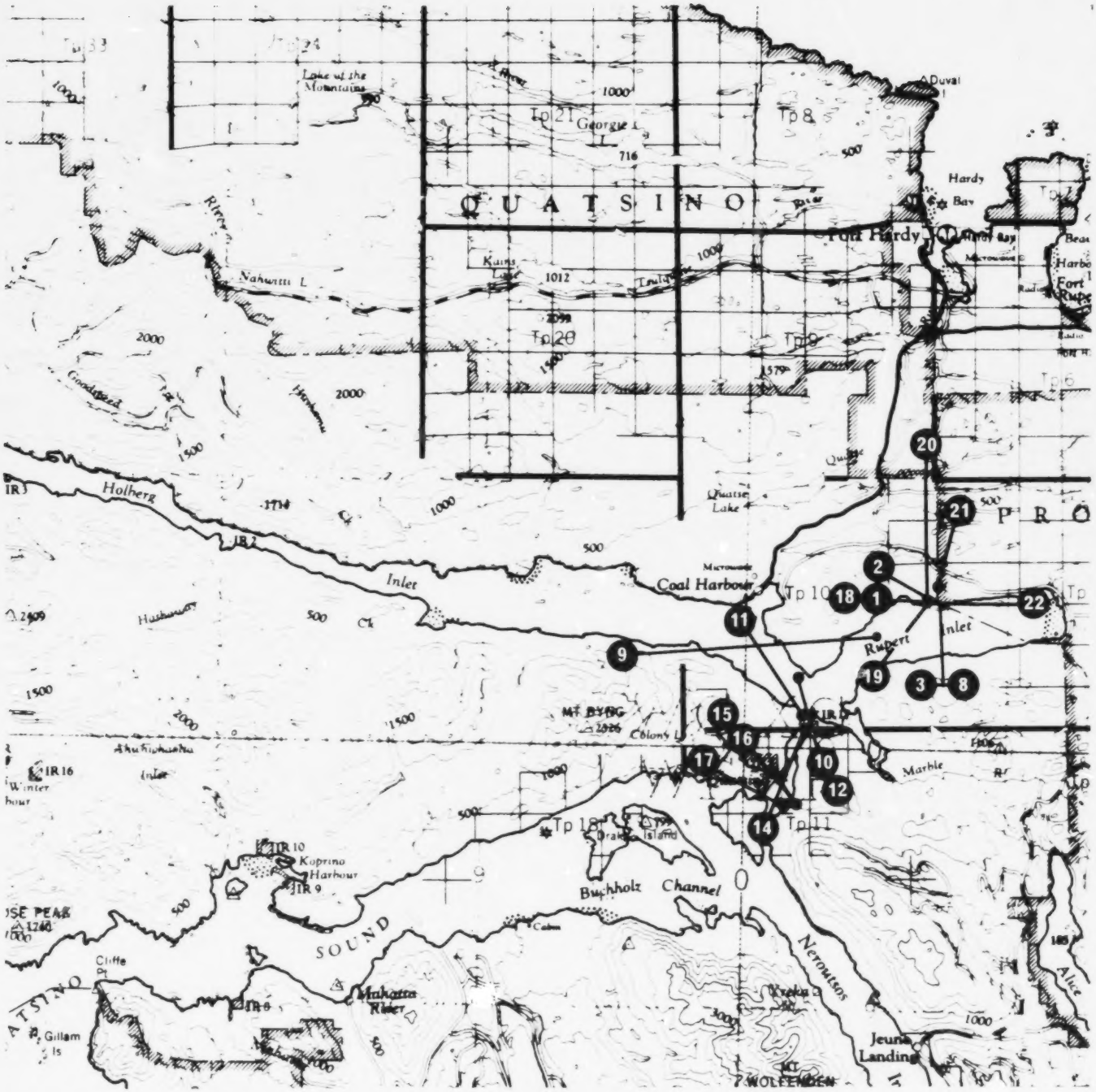
MAP 20

Redonda Island

MAP - 20

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	756 *	07/13/85	WEST REDONDA ISLAND, JOYCE POINT, TEAKEARNE ARM	N
2	757 *	07/13/85	WEST REDONDA ISLAND, JOYCE POINT, TEAKEARNE ARM	E
3	758 *	07/13/85	WEST REDONDA ISLAND, 2 MILES N.W. OF CHURCH POINT	SE
4	759 *	07/13/85	WEST REDONDA ISLAND, 2 MILES N.W. OF CHURCH POINT	NW
5	760 *	07/13/85	WEST REDONDA ISLAND, 2 MILES N.W. OF CHURCH POINT	NE
6	761 *	07/13/85	WEST REDONDA ISLAND, ALLIES ISLAND	S
7	762 *	07/13/85	WEST REDONDA ISLAND, ALLIES ISLAND	SW
8	763 *	07/13/85	WEST REDONDA ISLAND, ALLIES ISLAND	NW

* ON FILE AT ENV. PROT. SER, MICROBIOLOGY LAB, N. VANCOUVER

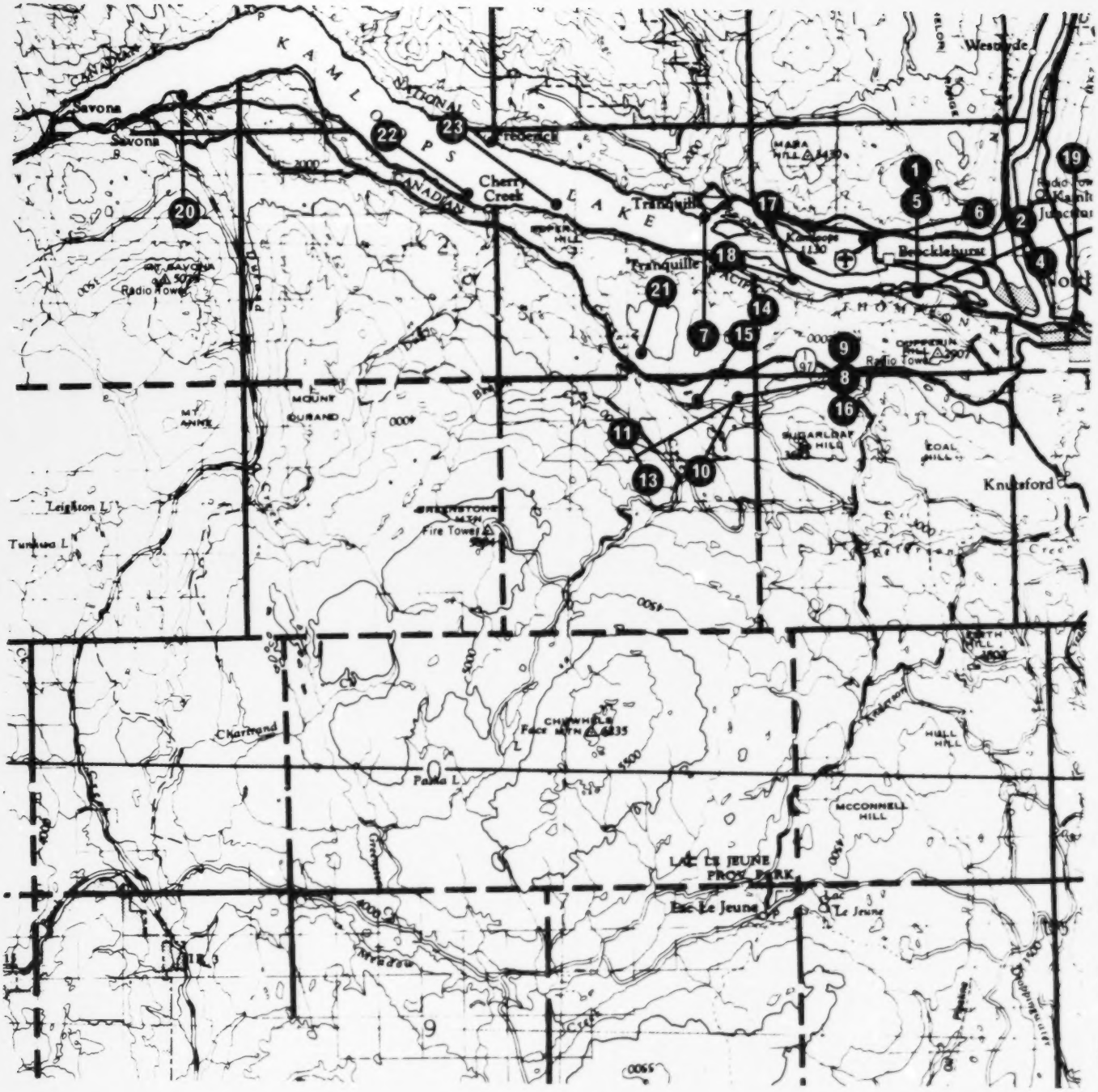


MAP 21

Quatsino

MAP - 21

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	1	05/05/76	ISLAND COPPER MINE	E
2	2	05/05/76	ISLAND COPPER MINE	E
3	3	05/05/76	ISLAND COPPER MINE,PIT AREA & TAILINGS	
4	4	05/05/76	ISLAND COPPER MINE,PIT AREA & TAILINGS	NW
5	5	05/05/76	ISLAND COPPER MINE,RUPERT INLET,MILL & POND	NW
6	6	05/05/76	ISLAND COPPER MINE,RUPERT INLET,MILL & POND	NW
7	7	05/05/76	ISLAND COPPER MINE,VIEW N. FROM RUPERT INLET	N
8	8	05/05/76	ISLAND COPPER MINE,VIEW N. FROM RUPERT INLET	N
9	9	05/05/76	ISLAND COPPER MINE,RUPERT INLET & QUATSINO NARROWS	NE
10	10	05/05/76	ISLAND COPPER MINE,RUPERT INLET & QUATSINO NARROWS	N
11	11	05/05/76	ISLAND COPPER MINE,RUPERT INLET & QUATSINO NARROWS,N. END	SW
12	12	05/05/76	ISLAND COPPER MINE,RUPERT INLET & QUATSINO NARROWS,N. END	N
13	13	05/05/76	ISLAND COPPER MINE,QUATSINO NARROWS,NORTH END	N
14	14	05/05/76	ISLAND COPPER MINE,QUATSINO NARROWS,NORTH END	NE
15	15	05/05/76	ISLAND COPPER MINE,QUATSINO SOUND AT QUATTISCHE ISLAND	SE
16	16	05/05/76	ISLAND COPPER MINE,QUATSINO SOUND AT QUATTISCHE ISLAND	SE
17	17	05/05/76	ISLAND COPPER MINE,QUATSINO SOUND AT QUATTISCHE ISLAND & KOKWINA COVE	SE
18	81	07/14/76	RUPERT INLET, ISLAND COPPER MINE, MILL & PIT AREA	E
19	80	07/14/76	RUPERT INLET, ISLAND COPPER MINE, MILL & PIT AREA	NE
20	82	07/14/76	RUPERT INLET, ISLAND COPPER MINE, MILL & PIT AREA	SW
21	83	07/14/76	RUPERT INLET, ISLAND COPPER MINE, PIT AREA	S
22	85	07/14/76	RUPERT INLET, ISLAND COPPER MINE, MILL & PIT AREA	W

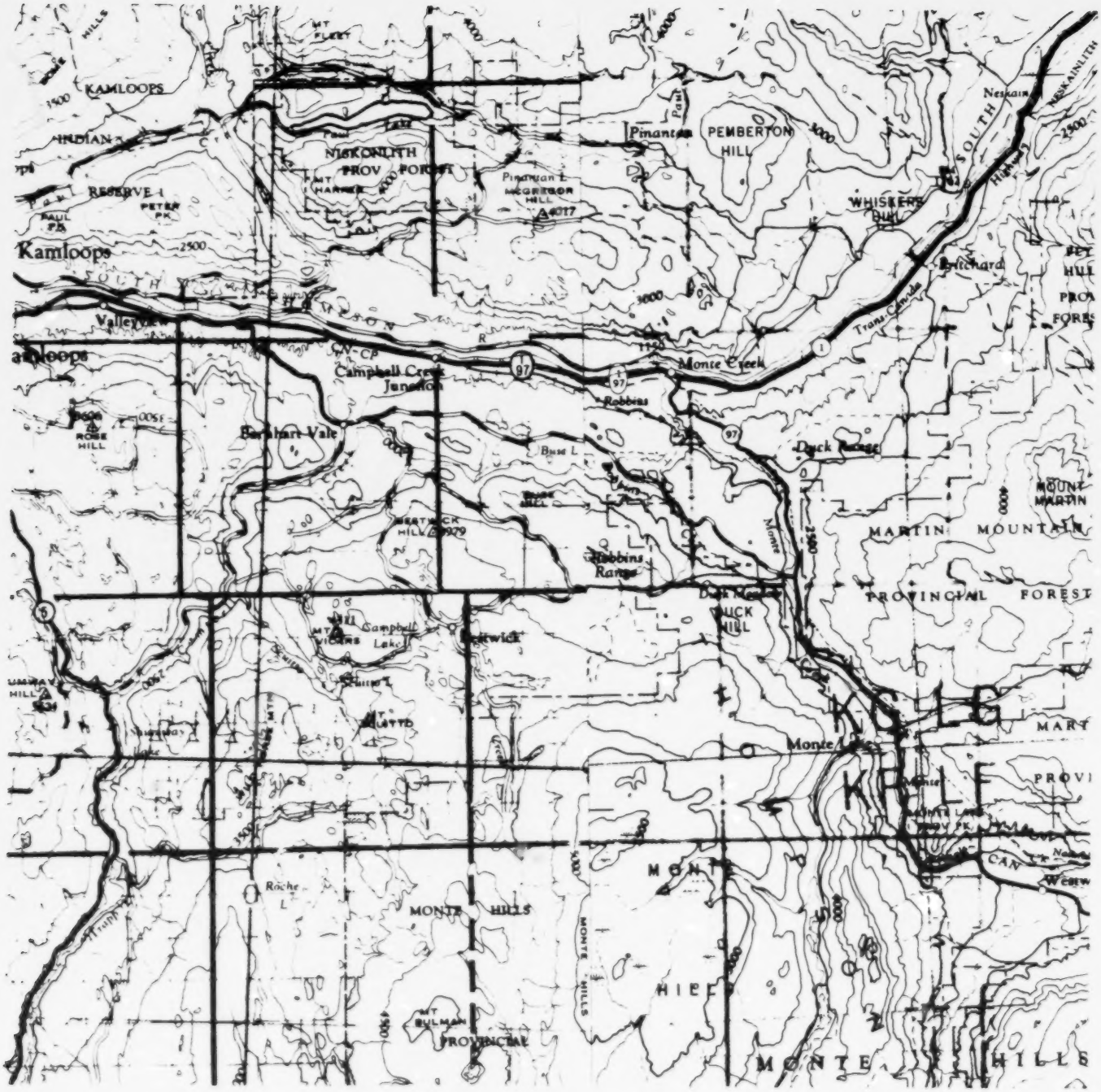


MAP 22

Kamloops

MAP - 22

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	37	07/08/76	WEYERHAUSER PULPMILL, KAMLOOPS	S
2	38	07/08/76	WEYERHAUSER PULPMILL, KAMLOOPS	SW
3	39	07/08/76	WEYERHAUSER PULPMILL, KAMLOOPS	SW
4	40	07/08/76	WEYERHAUSER PULPMILL, KAMLOOPS	W
5	43	07/10/76	WEYERHAUSER PULPMILL, KAMLOOPS	SE
6	44	07/10/76	SHELL OIL REFINERY, KAMLOOPS	W
7	45	07/08/76	NEAR KAMLOOPS, PART OF KAMLOOPS LAKE	NE
8	46	07/08/76	AFTON MINE, KAMLOOPS	SW
9	48	07/10/76	AFTON MINE, KAMLOOPS	SW
10	49	07/10/76	AFTON MINE, KAMLOOPS	NE
11	50	07/10/76	AFTON MINE, KAMLOOPS	NE
12	51	07/10/76	AFTON MINE, KAMLOOPS	NE
13	52	07/10/76	AFTON MINE, KAMLOOPS	E
14	53	07/10/76	AFTON MINE, HUGHES LAKE	S
15	54	07/10/76	AFTON MINE, HUGHES LAKE	SW
16	47	07/10/76	AFTON MINE, KAMLOOPS	SW
17	58	07/10/76	SEWAGE LAGOONS, KAMLOOPS	SE
18	41	07/12/76	SEWAGE LAGOONS, KAMLOOPS	NE
19	59	07/10/76	NEAR KAMLOOPS, VALLEY VIEW, YELLOW BRIDGE	SW
20	60	07/10/76	KAMLOOPS LAKE, SAWMILL, SAVONA	N
21	55	07/10/76	NEAR KAMLOOPS, CHERRY CREEK AREA	SW
22	56	07/10/76	KAMLOOPS LAKE AT CHERRY CREEK	SE
23	57	07/10/76	KAMLOOPS LAKE	SE



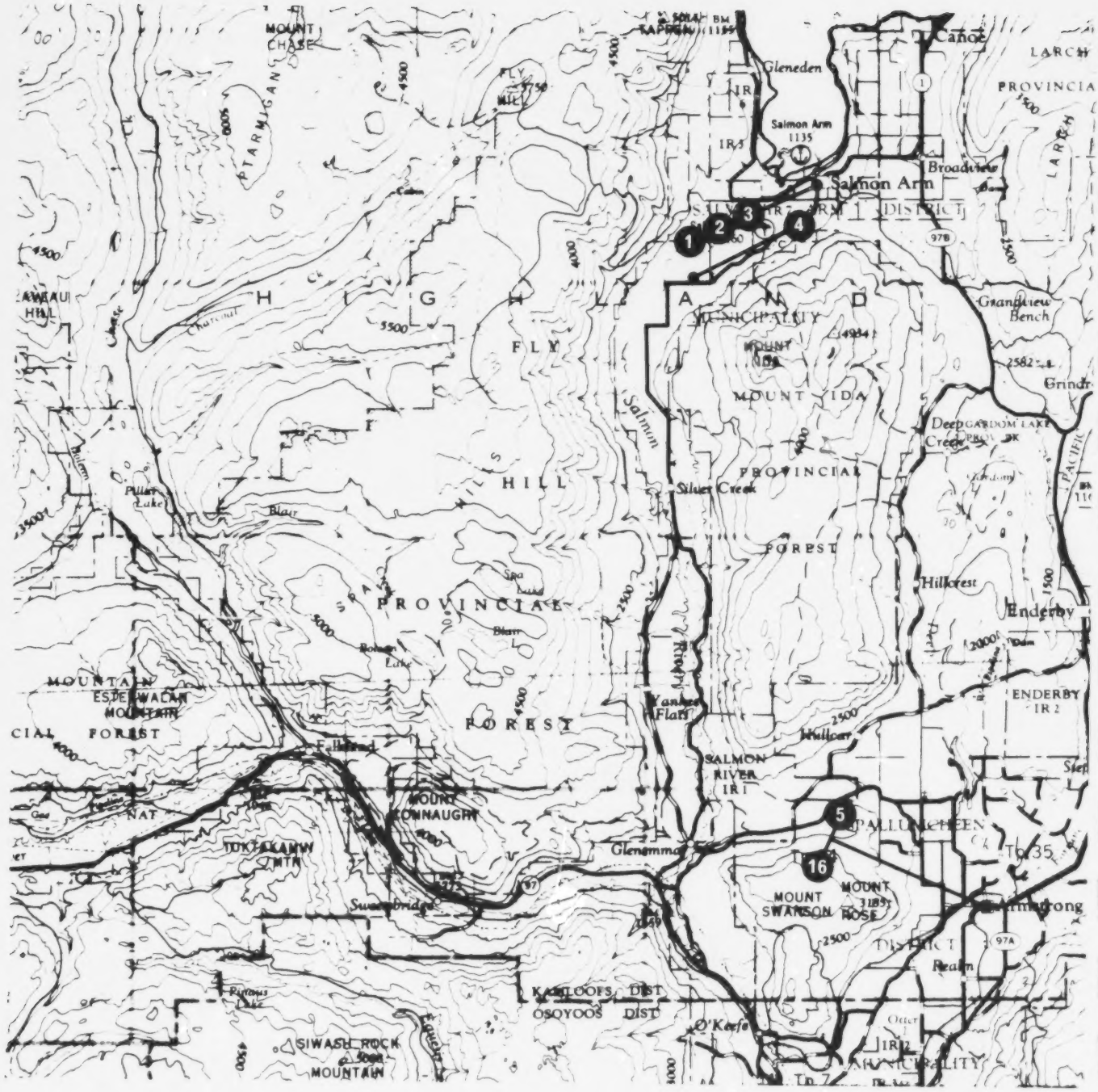
MAP 23

Monte Lake

MAP - 23

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.

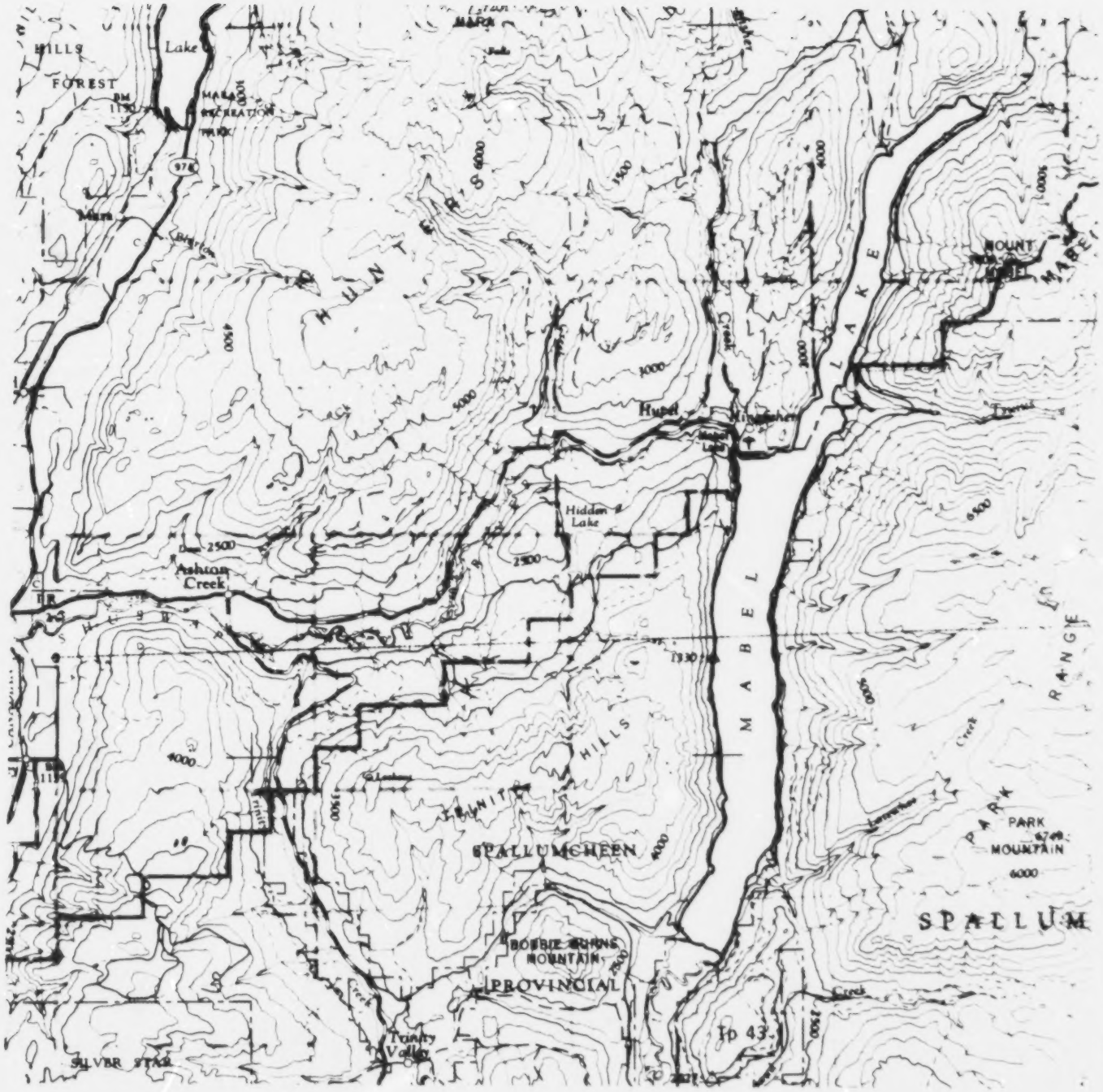


MAP 24

Salmon Arm

MAP - 24

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	61	07/10/76	SALMON ARM	NE
2	62	07/10/76	SALMON ARM	NE
3	63	07/10/76	SALMON ARM	
4	64	07/10/76	NEAR SALMON ARM	
5	352	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
6	353	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
7	354	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY, SETTLING PONDS	
8	355	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY, SETTLING PONDS	
9	356	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
10	357	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
11	358	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
12	359	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
13	360	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
14	361	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
15	362	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	
16	363	08/14/79	ARMSTRONG, CROWN FOREST INDUSTRY	



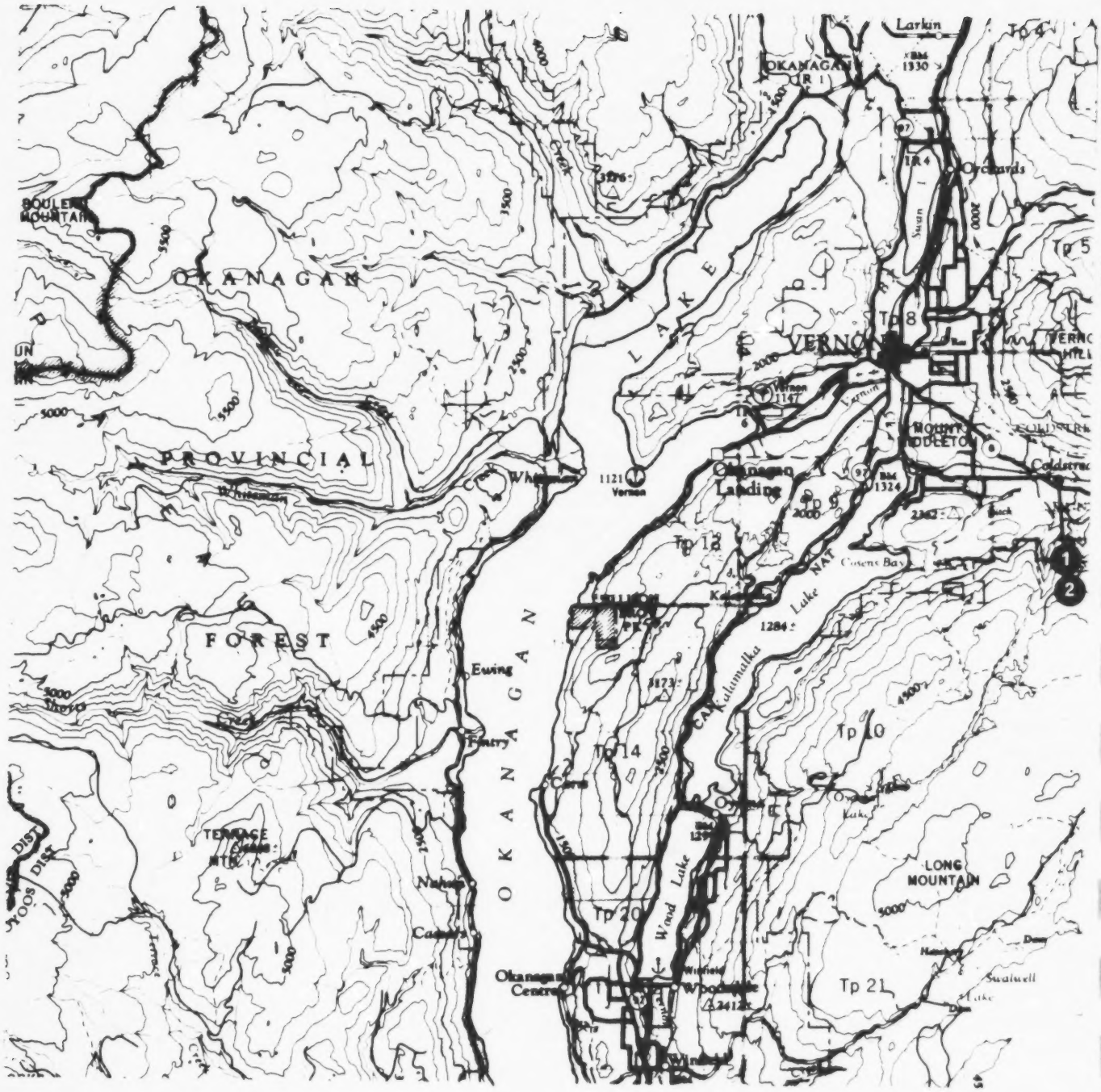
MAP 25

Mabel Lake

MAP - 25

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING

NO PHOTOGRAPHS TAKEN WITHIN THIS AREA TO DATE.



MAP 26

Vernon

MAP - 26

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	364	08/14/79	WOOD STORAGE SITE LUMBY AREA (POSSIBLY AT COLD STREAM)	NW
2	365	08/14/79	WOOD STORAGE SITE LUMBY AREA (POSSIBLY AT COLD STREAM)	NW

SILVER STAR MOUNTAIN
FOREST
ABERDEEN MOUNTAIN
PROVINCIAL FOREST
IDAHO
PROVINCIAL
Tp 44
SILVER
Tp 2
Tp 3
Tp 41
Tp 45
Lumby
Hilton
CANELL HUMP
Blue Springs
Creek
19
21
7
18
1
6
GRIZZLY HILL
OKANAGAN HIGHLAND
PROVINCIAL FOREST
KETTLE
PROVINCIAL
BUCK HILLS
Aberdeen
Ideal
Spec Lakes

MAP 27

Lumby

MAP - 27

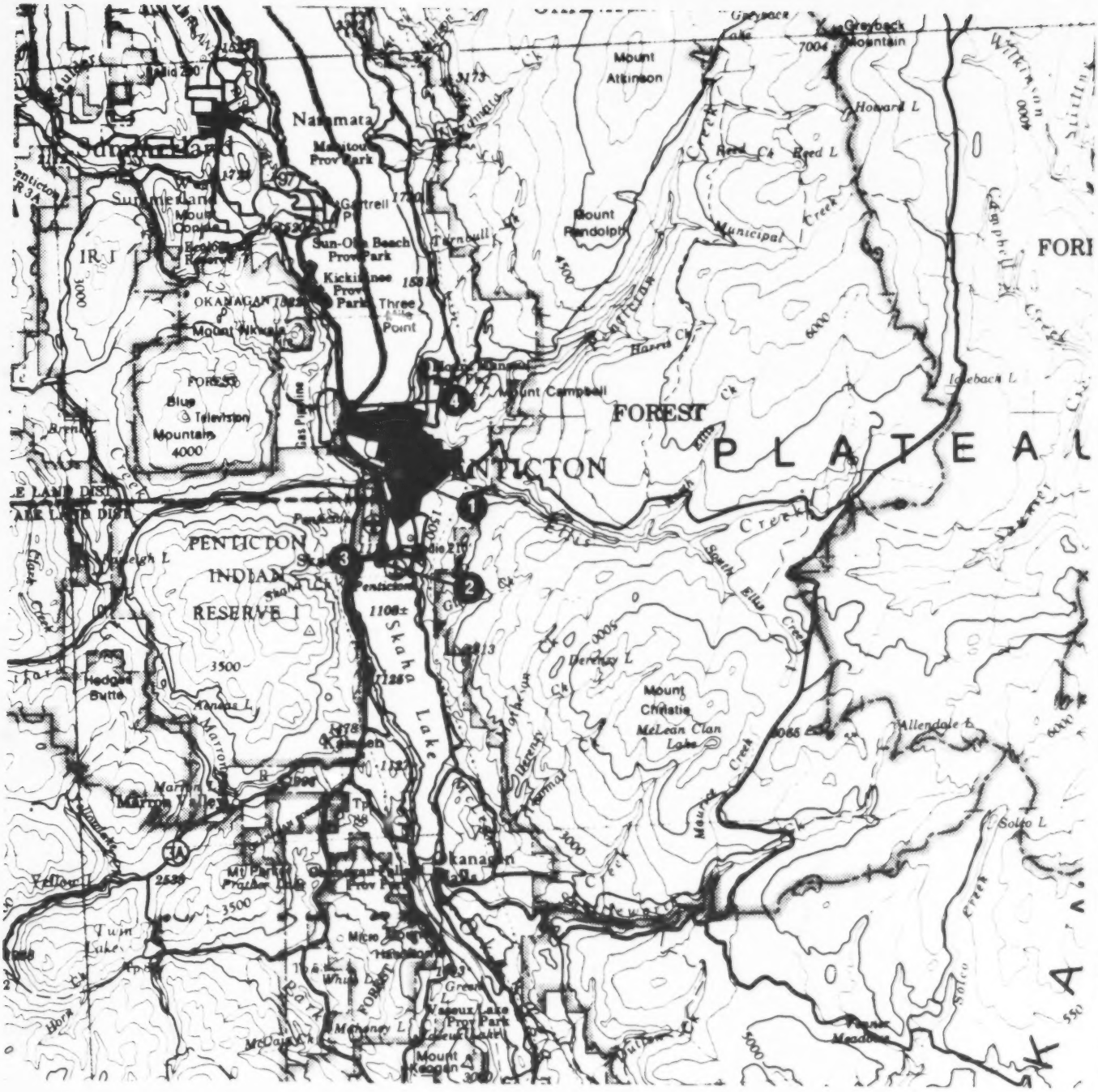
LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	366	08/14/79	LAVINGTON PLANER MILL (TOLKO PLANERMILL) LAVINGTON, NEAR LUMBY	
2	367	08/14/79	LAVINGTON PLANER MILL (TOLKO PLANERMILL) LAVINGTON, NEAR LUMBY	
3	368	08/14/79	LAVINGTON PLANER MILL (TOLKO PLANERMILL) LAVINGTON, NEAR LUMBY	
4	369	08/14/79	CONSUMER GLASS, LAVINGTON, NEAR LUMBY	
5	370	08/14/79	CONSUMER GLASS, LAVINGTON, NEAR LUMBY	
6	371	08/14/79	CONSUMER GLASS, LAVINGTON, NEAR LUMBY	
7	372	08/14/79	RIVERSIDE FOREST PRODUCTS, YARD 'A', LUMBY AREA	
8	373	08/14/79	RIVERSIDE FOREST PRODUCTS, YARD 'A', LUMBY AREA	
9	374	08/14/79	RIVERSIDE FOREST PRODUCTS, YARD 'B', LUMBY AREA	
10	375	08/14/79	R.V. SCHMIDT & GROMAN BROS. SAWMILL, LUMBY AREA	
11	376	08/14/79	R.V. SCHMIDT & GROMAN BROS. SAWMILL, LUMBY AREA	
12	380	08/14/79	WEYERHAUSER CANADA, CROWN FOREST INDUSTRIES, BELL POLE, LUMBY	
13	381	08/14/79	WEYERHAUSER CANADA, CROWN FOREST INDUSTRIES, BELL POLE, LUMBY	
14	382	08/14/79	WEYERHAUSER CANADA, CROWN FOREST INDUSTRIES, BELL POLE, LUMBY	
15	383	08/14/79	WEYERHAUSER CANADA, CROWN FOREST INDUSTRIES, BELL POLE, LUMBY	
16	384	08/14/79	WEYERHAUSER CANADA, CROWN FOREST INDUSTRIES, BELL POLE, LUMBY	
17	385	08/14/79	WEYERHAUSER CANADA, CROWN FOREST INDUSTRIES, BELL POLE, LUMBY	
18	386	08/14/79	WEYERHAUSER CANADA, CROWN FOREST INDUSTRIES, BELL POLE, LUMBY	
19	377	08/14/79	MINE SITE NEAR BISSETT CREEK, CHAPUT LOGGING	
20	378	08/14/79	MINE SITE NEAR BISSETT CREEK, CHAPUT LOGGING	
21	379	08/14/79	SEWAGE LAGOONS? LUMBY AREA	

MAP 28

Kelowna

MAP - 28

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	33	07/07/76	KELOWNA LANDFILL SITE	E
2	34	07/07/76	KELOWNA LANDFILL SITE	SE
3	35	07/07/76	KELOWNA LANDFILL SITE	S



MAP 29

Penticton

MAP - 29

LOCATION NO.	PHOTO FILE NO.	DATE	SUBJECT	VIEW HEADING
1	30	07/07/76	PENTICTON, OKANAGAN RIVER	NW
2	31	07/07/76	PENTICTON, SKAHA LAKE & OKANAGAN RIVER	NW
3	32	07/07/76	PENTICTON, SKAHA LAKE & OKANAGAN RIVER	E
4	36	07/07/76	PENTICTON OKANAGAN LAKE (SOUTH END)	W

SELECTED READING

Eastman Kodak Company, 1971. Photography from Light Planes and Helicopters. Eastman Kodak Company, Rochester, NY, Publication No. M-5, p 25.

Eastman Kodak Company, 1982. Kodak Data for Aerial Photography. Eastman Kodak Company, Rochester, NY, Publication No. M-29.

Evans, Barry M. and Larry Mata, 1984. Acquisition of 35 mm Oblique Photography for Stereoscopic Analysis and Measurement. Photogrammetric Engineering and Remote Sensing, 50 (11), pp 1581-1590.

Fleming, J. and R.G. Dixon, 1981. Basic Guide to Small-Format Hand-held Oblique Aerial Photography. Users Manual 81-2, Canada Centre for Remote Sensing, Energy, Mines and Resources, Ottawa, Canada.

Freytag, H., 1974. The Hasseblad Way. Focal Press Ltd., London and New York.

Johnson, R.E. and J.N Mulvaney, 1978. The Use of Low Level Oblique Aerial Photography for Environmental Management in the Elliot Lake Area. Proceedings of the Fifth Canadian Symposium on Remote Sensing, August 28-31, 1978, Victoria, B.C., pp 396-398.

1968. Manual of Color Aerial Photography. American Society of Photogrammetry, Falls Church, Virginia, USA.

Ontario Ministry of Environment, 1979. Operation Skywatch. First Edition, Information Services Branch, Toronto, Canada, p 79.

Stranberg, Carl H., 1967. Aerial Discovery Manual. John Wiley and Sons Inc., New York.

Vozikis, E., 1984. Some Theoretical and Practical Aspects of the ORI/SORA-PR System. Photogrammetric Engineering and Remote Sensing, 50 (5), May 1984, pp 585-591.

ACKNOWLEDGEMENTS

I wish to express my thanks to Laura-Lyn Grooms for undertaking the formidable task of extracting and collating all of the information from our photo files as well as transferring this to a computer file. Thanks are due to Bruce Kay and Bert Kooi of the Microbiology Section who did the photography of Barkley Sound during my absence and to the many people in both Environmental Protection and the Department of Fisheries and Oceans who acted as observers, in particular Stan Liu, Otto Langer, Wayne Knapp, Bryan Kelso and Gordon Thompson. Thanks also to Stan Liu and many others in our office who helped to identify and name some of the sites and industries.

Finally to Martin Pomeroy whose guidance and critical review of the manuscript was most appreciated.